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THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XV. **CHICAGO AND NEW YORK, FEBRUARY 3, 1900.** **No. 609.**

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Buffalo, February 15-16, 1900. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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OUR DIRECTORY for 1900 is now ready, with many changes and new features of the greatest value to all branches of the trade. Price $2.00.

Society of American Florists.

EXECUTIVE COMMITTEE MEETING.

The executive committee, at its recent session in New York city, approved the selection of the Grand Central Palace as headquarters for the convention and exhibition of 1900 and endorsed the selection of J. P. Cleary as manager of the trade exhibition. On being notified by the New York Florists' Club that it was their intention to present a grand horticultural exhibition at the time of the convention, under the immediate supervision of the private gardeners, it was voted that twelve silver and twelve bronze medals of the S. A. F. be specially appropriated for the use of the New York Florists' Club in this enterprise. A subcommittee was also appointed to arrange for the award of special S. A. F. medals at the exhibition of certain affiliated national organizations and leading horticultural societies.

It was decided that Prof. L. C. Elson, of Boston, and Dr. N. L. Britton, of New York, be invited to deliver lectures before the society at the coming convention. Other features of the convention programme, as arranged, are a president's reception, a paper on greenhouse construction from the open land to the finished structure, an illustrated talk on floral decorations, a discussion on the S. A. F. and its future welfare, and special talks on rose and carnation subjects to be selected and presented under the auspices of the rose and carnation societies, respectively. It is expected that the afternoon and evening of the third day will be devoted to an excursion, on invitation of the New York Florists' Club, and that the fourth day will be assigned exclusively for sporting and entertainment features with the possibility that some of the sporting features may be incorporated with the excursion of the third day.

Much of the committee's time was taken up with a very thorough discussion of the important matter referred to it by the last convention, viz., the establishment of a co-operative purchase corporation. President Wood, who has given much thought to this matter, presented a complete scheme for incorporation on the lines advocated by him at the Detroit meeting but, finally, owing to the somewhat indefinite character of the society's vote, under which the committee were unwilling to assume a larger responsibility, it was decided to continue for the present the old plan of a purchasing committee, who shall purchase for cash for any member of the society, lumber, coal, glass, iron pipe, hose, oil and leads as may be required, but charging hereafter a small percentage on each transaction toward defraying the expenses of the necessary clerical assistance, the lack of which has greatly hampered the work of this department in the past.

The treasurer's report, as presented, showed that the life membership fund now amounts to over $600 and that the general fund in the treasury made a net increase of about $450 for the past year. It was voted that hereafter the treasurer present a supplementary report, for information of the society, at each convention, covering the period between January 1 and the time of the convention. It was decided to discontinue the nomenclature committee and to assign the duties of that committee to the registration department of the secretary's office and a botanist. Dr. N. L. Britton was then appointed as botanist to the society and Prof. L. O. Howard was reappointed as entomologist.

The fertilizer committee was reorganized by the addition of W. N. Rudd to its membership and the appointment of C. W. Ward as chairman and the necessary appropriations were made for the needs of this committee and the legislative committee.

A special sub-committee was appointed to report at the convention on the advisability of the incorporation of the society under the laws of some state, also a special sub committee to consider the recommendation of President Wood relative to the securing of a permanent home for the society.

President P. O'Mara, of the New York Florists' Club, and Messrs. W. J. Palmer, of Buffalo, and Geo. A. Rackham, of Detroit, were present at most of the sessions and rendered valuable assistance to the committee.

The report of the committee on final resolutions extended grateful recognition of the hospitality of the New York Florists' Club and Mr. and Mrs. C. W. Ward, and thanked the press for courtesies extended.

STATE VICE-PRESIDENTS.

The following gentlemen are state vice-presidents of the Society of American Florists for the year 1900, having been either elected by their representatives at the Detroit convention, or appointed by President Wood:

Connecticut, J. N. Champion, New Haven; District of Columbia, Philip Gauges, Washington; Illinois, Edgar

Sanders, Chicago; Indiana, H. W. Rieman, Indianapolis; Iowa, J. T. D. Fulmer, Des Moines; Kansas, M. J. Coventry, Ft. Scott; Kentucky, Jacob Schultz, Louisville; Maine, J. A. Dirwanger, Portland; Maryland, R. Vincent, Jr., White Marsh; Massachusetts, F. R. Mathison, Waltham, and Geo. H. Thompson, Lenox; Minnesota, S. D. Dysinger, St. Paul; Missouri, Emil Schray, St. Louis; Michigan, F. H. Beard, Detroit; Nebraska, J. J. Hess, Omaha; New Hampshire, August Gaedeke, Nashua; New Jersey, Jos. A. Manda, Jr., South Orange; New York, Alex. Wallace, New York city and Philip Scott, Buffalo; Ohio, C. J. Graham, Cleveland, and Robt. George, Painesville; Pennsylvania, H. T. Dumont, Philadelphia, and Gustav Ludwig, Allegheny; Rhode Island, Robt Laurie, Newport; Wisconsin, H. V. Hunkel, Milwaukee; Ontario, Canada, Harry Dale, Brampton WM. J. STEWART, Sec'y.

The American Wonder Lemon.

Among the recent novelties few appear more interesting than the American Wonder lemon, illustrated herewith and offered to the trade by Schmidt & Botley, of Springfield, Ohio. Our picture was prepared from a photograph, the rule in front showing the actual size of the fruits Both fruits are of the same variety, the pear-shaped one to the right being only partially developed when the picture was taken. The other specimen was quite mature and on tasting we found it to be quite sharp and pleasant in flavor. Schmidt & Botley assure us that the original plant of this new lemon was raised from seed by a Mr. Bowman, of Hagerstown, Md., who disposed of it to Geo. Mead, of Springfield, Ohio. Mr. Mead, it appears, propagated the plant extensively and disposed of the entire stock to Schmidt & Botley. At the time of transfer the parent plant bore twelve or fifteen fruits in various stages of development, the heaviest weighing two and one-half pounds. This lemon is said to be very easily propagated and it is claimed the young trees commence to bear at two years of age. Referring to the treatment given the plants which produced the fruits here illustrated, Schmidt & Botley state: "The pear-shaped lemon was grown on the parent plant, which we have planted in a box underneath one of our benches, the bench being cut out to allow room for the stem. The tree stood the greater part of last winter in a shed where the temperature dropped as low as 15° or 16,° without light or any attention further than to keep it from drying up. In consequence it dropped its foliage, and lost some of the tender stems. Immediately after planting it began to make a new growth and bloomed rather late in spring, setting only the one lemon. However, we considered this phenomenal in view of the rough treatment it had received. The other fruit grew on a younger tree and stood in a box in one of our houses throughout the summer in soil that had no fertilizer of any kind whatever, and we desire to say it could neither have received less care or more rough treatment than we have given it."

AMERICAN WONDER LEMON.

Judge Not, Lest Ye Be Judged.

The many adverse comments, written and spoken, on the 100-point award recently made to Carnation Enquirer indicate, to my mind, an entire misapprehension of the point of view which the judges must necessarily take. The assumption seems to be quite generally made that the points awarded measure the flower's qualities on a standard of absolute perfection. A moment's thought should convince any one of the absurdity of such a proposition. Who can say what the ultimate limit of size in carnations shall be? At present No. 666 seems to be the largest flower in sight, but it may be overtopped at the Buffalo meeting. To one who has watched the development in the past few years, the production of a six inch bloom in the near future would not seem a miracle, and who will be rash enough to say that some time we may not have them equal to our show chrysanthemums in size and stem?

It being evident, then, that no fixed and absolute standard of perfection can be set up, from what standard shall our judges work? There in the rub. The varying scores given the same variety by different judges (notably by the chrysanthemum society's judges) can not be attributed solely to a difference in the condition of the specimens shown; neither is it fair to accuse one set of judges of incompetence because their score is higher or lower than that of another. These differences are frequently traceable to a difference in the standard for comparison. Take for instance the scoring in color of a lemon yellow chrysanthemum. Perhaps there is no class in which greater variations in results is observable. It seems almost certain that the low color scores are obtained by comparison with pure golden yellow types, while the high scores result from comparison with the best existing lemon yellow. Both committees reach a correct result from their standard and yet one may award, and the other withhold a certificate. Fix a uniform standard and more nearly uniform results will be obtained.

In a general way, I take it, all successful judging to-day is done by comparing the subject with the best existing varieties known to the judges, scoring the full number of points for those qualities in which the subject equals or excels the best existing variety, and a less number when it falls behind. This is the only rational way in which judging can be done, but there is still room for variation. Take for instance the case of Carnation Enquirer. It is fair to suppose that the judges had in mind the best pink variety of its shade, or nearest it, known to them, and after careful comparison found that Enquirer equalled or excelled it in color, size, form, stem and all the other attributes on which points are awarded. From their standard they were perfectly justified in scoring the variety 100 points, this simply meaning that in all respects Enquirer is better than any other carnation of its color known to the judges. Let us suppose, however, that the variety taken as a staudard by them had only been taken as a standard for color, that another had been taken for size, regardless of its color, and still another for stem and so on. It is hardly possible that Enquirer under such standards could have scored 100. But it should be understood that this is pure supposition on the part of the writer, he having neither seen the variety in question, nor discussed the matter with the judges.

There are good arguments in favor of either of the above methods and it remains for the societies to "thrash it out" and say which shall be used. The question of measurements for size requires attention. In carnations one may measure the diameter of the flower as shown or with the lower petals, if reflexed, raised to a horizontal position, or one may measure over the flower, or an average may be taken of the different measurements. The question of form will be found the most difficult point of all perhaps. It is generally conceded that the ideal flower should carry its lower petals at right angles with the stem and that any tendency to reflex towards the stem is a distinct disadvantage, but the questions whether the petals should be fringed or not and whether cupped or not are debatable. It must also be decided whether the perfect half sphere shall be the ideal or a less high built flower or whether a greater depth than one-half the diameter is desirable.

W. N. RUDD.

Now the railroads are talking of planting fruit trees along their rights of way.

Forcing Lilacs at Cottage Gardens.

Lilacs are forced at the Cottage Gardens only as a catch crop, that is, if we happen to have a greenhouse to spare for six or eight weeks we put in a crop of lilacs. Sometimes we make a hit with them and they pay fairly well. At other times we strike a glut in the market and, not doing lilac regularly, do not succeed in making very good sales. Our method is to use good strong plants well set with buds. We find plants eight, nine or ten years of age the best, and we find stock of our own growing very much superior to anything we import, as we get a better set of buds and much larger sprays. We dig the stock from the field with as good balls as possible and plant upon the benches, the same as we would plant carnations or any other plant. We start the house at a temperature of about 60° and after the heat has been in the house a few days, syringe the plants thoroughly and raise the temperature gradually until it runs from 75° to 85°. The atmosphere is kept moist and particular attention is paid to keeping sharp draughts from the plants. The house herewith illustrated contained about 175 plants and cut somewhere in the neighborhood of 800 bunches, a little over four bunches to the plant. These bunches we sold at from 75 cents to $1.50 each. We could not have cut more than 400 or 500 bunches from imported plants.

C. W. WARD.

LILACS AT COTTAGE GARDENS, QUEENS, N. Y.

Farm and Garden Symposium.

Saturday, February 24, is the date fixed for the "Farm and Garden Symposium" of the Pennsylvania State Board of Agriculture for Philadelphia county. The authorities call it an "Institute," which I have always thought a very inappropriate word for a meeting of experts in agriculture, horticulture, etc, to talk over the latest aspects of affairs in their professions. "Symposium" is put forward as an improvement and I think if you will take the trouble to look up the dictionary you will agree with me. The meeting will be held in Horticultural Hall and there will be afternoon and evening sessions, both free to the public. Read the following program and see if there isn't some inducement for you to be present. This is subject to correction but will give a good idea of the bill of fare so far as the committee can tell at present:

AFTERNOON SESSION, 2 TO 5.

1. Address of welcome,
   Burnet Landreth, Esq., Phila.
2. House pets and their treatment,
   Dr. Leonard Pearson, Phila.
   (State Veterinarian of Penna.)
3. The American merchant marine vs. the American farmer.
   John H. Landis, Esq., Phila. (U. S. Mint.)
4. How to supply a family table from a town lot,
   Mrs. Isabella E. Davis, Riverton, N. J.
5. Why the elements of agriculture should be taught in our public schools,
   Jason Sexton, North Wales, Pa.
6. Consider the lilies,
   Professor Heiges, York, Pa.

EVENING SESSION, 7:30 TO 10.

7. What the Pennsylvania Dairy School is doing,
   Prof. Harry Hayward, State College, Pa.
8. How would the single tax benefit the farmer,
   Prof. Lyberger, Phila.
9. How to improve present methods of landscape gardening. S. M. Meehan, Esq., Phila.
10. The value of the botanic garden to the Phila. public,
    Prof. Macfarlane, University of Pennsylvania.
11. Good plants for the home,
    A. Blanc, Esq., Phila.

Question box: This is one of the spicy features of the symposium. Send in all the "kittle points" you can think of for these various professors to answer. Edwin Lonsdale is chairman of the committee and David Rust secretary. G. C. Watson has charge of the question box. Send in queries early by mail to Juniper and Walnut streets so they may be assigned to the proper parties for answers, or bring them to the meeting. The other members of the committee are Jno. Burton, Burnet Landreth, W. F. Dreer, Dr. J. Cheston Morris, Jno. Westcott, Dr. Mears, Mrs. E. S. Starr, Wm. K. Harris, Robert Kift and J. Wm. Colflesh.

There may be some changes in the programme when the committee meets next Saturday, if so they will be duly reported.

Philadelphia. G. C. WATSON.

CARNATIONS.

CHOICE BLOOMS FOR EASTER.

With Easter ten weeks away it seems premature to talk of carnations for that date, but many steps may be taken now toward a profitable crop for the last opportunity in the carnation season to make a little extra money to pay for the intervals when we are running our places at a loss.

One of the first things to remember is that it takes most varieties a long time to turn a growing shoot into a flower and that it is easier to hold a partially formed bud than it is to get the bud to develop for a certain date. It depends considerably on the variety as to the length of time it takes and the grower will have to judge for himself whether or not he needs the whole of the ten weeks to get these shoots into bloom for Easter.

It is presumed that your plants are full of young shoots now, in which case they are ready for stimulation, for the soil is often pretty well exhausted by this date. I find an application of bone meal gives good results, but it matters little what form of fertilizer you apply, so that it is used in moderation, it being better to make two or three light applications between now and Easter than to give only one heavy dressing.

If the soil is so full of young roots that you do not want to stir the fertilizer into it, a good plan is to mix it with one-half or one-third its bulk of soil and apply the mixture between the rows and then water with a rose for a few times until it becomes well intermixed with the soil on the beds. Where the soil is not too full of roots it is better to apply the fertilizer in its pure state and then stir it into the soil, being careful not to stir too deeply. This stirring may, of course, injure a few of the roots but the benefits derived by a loosening of the surface of the bench more than counterbalances the slight loss of roots.

Do not stint water but be careful to give no more than the plants need. Plenty of water, an abundance of food in the soil and a temperature as low as can be without causing split calyxes, will bring the finest flowers and the finest stems. The regulation of heat is of course a very important item; if the buds are coming too slowly add a little more heat but do it gradually and if they are coming on too fast work in the opposite direction.

Another good plan is to go over the plants occasionally and cut out weak branches and useless wood, no time can be better employed, as this throws the strength of the plants into the healthy shoots and gives them more light and air in which to develop first quality flowers, and it is the first quality stock that is going to pay the grower at Easter.

ALBERT M. HERR.

More About Long Greenhouses.

Replying to the query of "A. B. C.," in your issue of January 13, the question of lengths of greenhouses most suitable for practical purposes is one that is open to a number of objections pro and con. In some cases the condition of the ground where the houses are to be placed has to be the first consideration; in others some particular reason for building a long or short house may have to be considered by the person building, but where the conditions are favorable for any desired length or style of house, then for all practical purposes including heat, emptying, refilling, etc., which last has always to be done during the very hottest season

of the year, and for the benefit and comfort of those engaged in this very hard work, a medium length is certainly much better, as on careful investigation it will be found that a house not over 200 feet long can be heated at less proportionate expense than one double that length, presuming that both are heated from one end of the house; for the comfort of the workmen it is certainly much preferable. From my own experience, having had some very long houses under my charge in the past, I should prefer to build them not over 300 feet long with a corridor through the center, carrying the main heating pipes through this and radiating each way from same, with large doors at each end, giving ample room for workmen in summer; this practically would make each house but 150 feet long. In such houses I think the heating is also under much better control than in very long houses; if heated by water it certainly can be kept warmer by being returned to the boiler much oftener, and if by steam the condensation will certainly be much less at 150 feet from boiler than it will be if the steam has to travel five or six hundred feet before returning it to the boiler, hence a saving of fuel in both cases, at least such has been my experience. JOHN N. MAY.

Hailstones at Athol, Mass.

ED. AM. FLORIST:—I send you a photograph of hailstones which fell in our town last summer to let you see what we can do in the east. These came down about 200 feet from my door and broke the photographer's skylight. He had sixty large, thick panes and fifty-seven of them were broken. The hailstones were picked up and photographed three-quarters of an hour after the storm, and so they were smaller than when they fell. I had a beautiful hedge of sweet peas in bloom, and expected they would be ruined, but they were not injured in the least. Where the hailstones entered the soil, however, they made holes large enough for a good sized rat to enter. All together, some 10,000 panes of glass were broken in town. C. W. SIBLEY.

DETROIT, MICH.—Three greenhouses opposite Woodmere Cemetery, operated by Ferd. Kolbe and owned by Anton Kier, were burned January 31; loss $3,000, no insurance. The stock in three houses which escaped the flames was killed by frost.

A Busy Cream City Concern.

Milwaukee, the scene of many business successes, has no more enterprising establishment than the C. C. Pollworth Company, formed a few months ago upon the retirement of W. H. Ellis from the firm of Ellis & Pollworth. We present herewith reproductions from photographs, one showing an interior view of the store of the Pollworth Company, the other illustrating the range of glass which produces a portion of the cut flowers and plants handled by the house. While the trade in wholesale cut flowers is no inconsiderable item of the company's business, it also enjoys a large shipping trade in all classes of florists' supplies and makes a specialty of palms and ferns.

C. C. Pollworth, the head of the house, is one of those young men who have made their way rapidly to the front. He is energetic and interested, not only in business but in the pleasures of the trade and his personal qualities have aided him not a little toward his business success.

The modern range of glass is that formerly known as the Deuster greenhouses, which are now leased by the Pollworth Company and W. A. Kennedy. Mr. Kennedy grows roses, carnations and general bedding stock while the Pollworth glass is devoted exclusively to decorative plants.

New York.

BUSINESS GOOD.—ROSES SCARCE.—PRICES NOT HIGH BUT AVERAGES GOOD.—MAY ENCOURAGE BUILDING.—DOINGS AMONG THE WHOLESALERS.—A DEATH AND OTHER NOTES.

Business has been brisk for the past ten days in the wholesale district. Roses of high grade are rather scarce but there is no great rush for roses of ordinary grades on that account. So, prices have not advanced, although stocks clean out better on the average. Carnations are in larger supply than the demand can consume and so are violets. Violets make a poor showing on the market quotations, but nevertheless the weather and product have been such that, even at the lower figures of this season, violet growers have done better than for several years past. This is also true, in the main, of the rose industry and it will be no surprise to the initiated if we should hear of numerous rose and violet houses being erected during the coming season. Tulips, narcissi, lily of the valley and all bulbous stock are heavily overstocked and very low prices prevail, in consequence. Cattleyas "as big as soup plates" are talked of by the growers of such goods, but—!

Charlie Millang has adopted a colored gentleman in uniform as an adjunct of his place. What will the retail nabobs do if the wholesalers are to follow them thus on their pet features?

J. K. Allen will remove about February 10 to 196 W. Twenty-eighth street. "J. K." gets an ideal place for the wholesale business in the new location. A fine, cool cellar, a wide area, with room for a summer awning and other luxuries and all the good features of the old place go with him.

J. W. Lyons' place at Madison was burned down on the night of Saturday, January 27.

The Park Department opened bids for the construction of four propagating houses, 120 feet each, on Friday, February 2.

Walter J. Perkins, son of J. Perkins, the wholesale florist, died suddenly of bronchitis on January 25. Interment was on Sunday in Greenwood.

Jas. A. Fraser is now traveling as the representative of Peter Henderson & Co.

The Hitchings employees' annual ball occurs next Tuesday night at Columbia Hall, Jersey City.

The American Institute will give an exhibition of flowers, fruits and vegetables at the Berkeley Lyceum Building on February 7 and 8 in connection with the annual meeting of the Eastern New York Horticultural Society. There are liberal premiums for exhibits and a fine program has been arranged for the society's sessions.

Visitor: O. J. Friedman, Chicago.

Boston.

WEATHER WINTRY AND BUSINESS BRISK.—NO ADVANCE IN PRICES.—COTTER AND THE ROSES.—DOINGS AT WAVERLEY.—FOSTER'S FERNS.—A SUIT, A FAILURE AND OTHER NOTES.

Winter has at last found its way to Boston and has given us a touch of real seasonable weather during the past week. Still, compared with the fierce experiences of the corresponding date last year the present winter weather is balmy and salubrious. Business is decidedly better. So they all say, without one dissenting voice. The shipping trade to country points has picked up, but there are no indications of higher prices in consequence, as the out-of-town buyers will not stand it. The retail price of carnations, for instance, has so adjusted itself in those localities that any increase based upon city figures simply cuts the business off short. American Beauty is moving better, but also with no advance in price. In carnations white has the best of the situation, many of the ordinary grades going very low, however. Violets are badly demoralized, worse than ever before. Lily of the valley is inclined the same way.

Lawrence Cotter is about to pull out the plants in a house of Carnot roses which he has been cutting from steadily up to the present time and which, he says, has paid him better than any house of roses he ever grew. The room will soon be wanted for Easter stock. For this purpose he has six houses filled with potted Bermuda and Japanese longiflorums, a big batch of astilbe and one house containing seven hundred pots of Crimson Rambler rose. These roses are in 7 and 8-inch pots, each trained in pyr-

HAILSTONES AT ATHOL, MASS., JUNE 24, 1899.

STORE OF C. C. POLLWORTH CO., MILWAUKEE.

amid form and will make a gorgeous display. They are from cuttings struck last February and plunged in pots out doors during summer. Mr. Cotter considers plants of this character much better than older stock and their appearance certainly bears out his views. Lilies do not show as much disease as in recent years. Those from Japan are growing better and appear of more even quality than the Bermuda grown, but also contain a certain mixture of narrow-leaved plants that suggest the Harrisii variety in their general appearance.

According to the law of Massachusetts enacted in 1899, it is required that a tree warden must be elected annually by every town in the state as one of its officers. The law is a good one provided the right man is always selected. If the choice should fall upon a man other than one who knows about trees and their culture and who fully comprehends their improvement, it will be unfortunate for the town where this happens. Many a beautiful tree has been ruined by the acts of a well-meaning but ignorant person, and rather than have this occur the Massachusetts towns would be better off without any tree warden. The Massachusetts Forestry Association recommends the election of women as well as men to this office and notes that there is already one woman acting in this capacity in the state.

Wm. Edgar's big Lorraine house looks somewhat dismantled since the inroads of the holiday business. There are a few specimens left, however, and even the pots are invisible under the mass of bloom. Mr. Edgar has a promising show of lilies. Many of them are in 12-inch pots, six to eight bulbs in each. In order to insure uniformity in these big pots and get the strongest grower in the middle he starts all the bulbs in 5 inch pots and re-pots them after they show their character. In the cold house a splendid lot of rhododendrons are waiting to go into training for the Easter demand.

L. H. Foster's Boston fern houses have quite a depleted look, owing to the enormous demand he has been experiencing for this popular specialty during the past season. No grower makes more careful effort to keep his stock of Boston fern "true" to the most desirable form and buyers are beginning to realize how important this point is.

The Shady Hill Nursery Company has lost a suit against Waterer & Sons. The action was to recover damages for alleged breach of contract to deliver a certain number of rhododendrons at a specified price.

A copy of the photographic group of visitors at Waban Conservatories last November has been presented by Mr. Wood to each gentleman present on that occasion.

B. S. Chase, of Everett, who failed last summer, has been arrested charged with concealing a portion of his assets from the trustee.

Lawrence Cotter has been experimenting with the new Aphis Punk insecticide and is well pleased with results thus far.

Quite a number of Boston florists are using Kift's adjustable vase holders and all speak highly of their usefulness.

John Husband, of Belmont, is bankrupt with liabilities of over $1600 and no assets.

N. F. McCarthy sails for Holland on February 15, to be away for about one month.

John Galvin and J. W. Howard were guests at the January meeting of the Horticultural Club.

C. S. Pratt, nurseryman, of Reading, is in bankruptcy with liabilities over $3600 and no assets.

F. L. Harris has been confined to his home for some time with an attack of bronchitis.

Indications are that ten or twelve will go from here to the Buffalo carnation meeting.

Callas very abundant now.

Recent visitors: J. R. Fotheringham, Tarrytown, N. Y.; M. H. Walsh, Woods Holl.

Philadelphia.

QUIET SEASON IN THE CITY OF BROTHERLY LOVE.—ROSES THE ONLY SCARCITY.—PLANTS SELL SLOWLY.—EASTER STOCK IN DEMAND.—CRAIG VISITS NEW YORK GROWERS.—FERNS IN HIGH FAVOR AT LOW PRICES—OTHER JOTTINGS.

Business is in a state of calm, the transient trade being particularly quiet. There are some large balls and the usual run of dinners but it will take much more than is in sight now to keep everybody working. Good Bridesmaids and Brides are the only flowers at all scarce; the crops of these teas seem to be still off and it takes considerable hustling to get enough specials for the orders. Prices are $10 to $12. Beauties are quite equal to the demand and $6 per dozen now buys the four-foot specials, which size we are assured by a large grower were quickly sold this time last year at $8. Carnations are good and plentiful; $1.50 per hundred buys the quick moving grade, and good flowers they must be; select stock brings from $2 to $4. All other stock is in full supply at last week's prices. Daffodils are coming in slowly and are poor as yet; $5 to $6 is the price. J. Welsh Young, who has made a specialty of this flower for some years past, has the best. Blooming plants are moving slowly. There are a number of fine azaleas but they are not selling as they should. W. K. Harris is sending in some nice genistas and rhododendrons, which make a fine showing and are worth the price, for their decorative effect.

Easter stock is being looked after by both grower and dealer. Lilies appear very promising so far, there being but little disease apparent. Perhaps it is too early as yet to feel we are out of the woods but the fact is that from many sources it is said that stocks look better than for several years past. It is said

GREENHOUSES OF C. C. POLLWORTH CO. AND W. A. KENNEDY, MILWAUKEE.

that large Crimson Ramblers are scarce and already orders are being placed for select stock.

W. P. Craig has returned from a trip through the New York carnation belt (we believe that each state has now a girdle all its own) and says that the New York market appreciates the improved flowers and that fine blooms bring almost if not quite as much as roses, while a few special varieties really bring more. He would not say much about 1901 possibilities which he might have seen, saying it was hard to beat the meritorious new kinds now in the market.

Chas. Dards, of New York, was in the city the past week, picking out the choice of the palm growers' stocks. He is considered a judge par excellence of palms.

Good ferns are scarce; the table fernerries are using them up faster than the growers can supply them. The prices are so low that careful men say they can not give the space and care necessary to produce fine plants for $6 to $7 per hundred. This is probably true and it is also a fact that 10 cents retail will not pay the dealer, who must send for the dish, fill and return it, and is lucky if he doesn't have to do it over again without extra charge. Yet this is the figure some men seem to think is enough. K.

Chicago.

STATE OF THE MARKET.—ROSE SHORTAGE MORE PRONOUNCED.—HOSTS OF CARNATIONS AND OCEANS OF BULBOUS STOCK.—BASSETT APPROVES GRAFTED LIBERTY.—MANY FUNERAL ORDERS.—LYNCH TO MOVE.—MRS. BRADT PLENTIFUL.—JOHNSON HOME FROM EUROPE.—VARIOUS JOTTINGS.

The cold wave has had the effect of a further curtailment of the already short rose cut and prices on this line now average higher than they did for Christmas. The specials, Brides, Bridesmaids and Meteors, bring 15 cents, the first grade 12 cents and all but the very poorest bring more than 5 cents so that the average is the best in a long time. Carnations are very plentiful but are generally cleared up each day at fair figures because of the shortage of roses, even if qualities are a little off as a rule. In fact the dearth of roses, and some of the growers have almost forgotten what a Beauty bud looks like, has made a fair market for everything else but bulbous stock. Of this there is such a surplus that any figure is usually acceptable. Lily of the valley is one of the usually stable items which has suffered because of oversupply. Violets are, of course, in the dumps; they always are in zero weather unless some special occasion creates a temporary demand.

O. P. Bassett has returned from New York and Philadelphia and reports a most enjoyable trip. As a result of his visit to the owners of Liberty he has decided to plant only grafted stock of the new rose, believing that the own-root plants give neither so good stem or flower. Mr. Bassett was greatly pleased with the Dailledouze Bros.' new carnation, No. 666, and predicts a great future for it.

The funeral of P. D. Armour, Jr., on Thursday, brought the local retailers a heavier run of work than has fallen to their lot in a long time. Those who had most of the orders were Samuelson, Smyth, Weinhoeber, Schubert and Muir. The former's orders aggregated over $1000 and many others than those mentioned were represented.

W. E. Lynch will shortly remove to the basement at the southeast corner of Randolph and Wabash avenue, where excellent quarters are all ready for his occupancy. It is stated that an attempt to raise rentals will, if persevered in, cause the removal of a quartette of wholesalers from one building to another on Wabash avenue.

Since everyone has taken to growing Mrs. Bradt the production of that carnation is all that this market requires and the quality of many of the blooms is only what may be expected of indifferent methods. Mrs. Bradt has recently sold as low as 2 cents per bloom.

Henry Seigers, uncle of the Singler Bros. and for fifteen years connected with their establishment at Morgan Park, died Sunday of dropsy. He was well known to the older generation in the trade.

Chas. W. Johnson returned from England January 28 and reports an enjoyable trip. He is temporarily located at 30 Beach street, Stapleton, Staten Island, New York.

Peter Reinberg made his contract for coal early last spring and still gets his heat at the last year's cost. Since the cold snap he says he would not take $5,000 and give up his contract.

Klehm's Novelty tulips are two weeks later than last year, the first having just made their appearance at Kennicotts.

Fred. Hills is on the Atlantic enroute to his old home in the state of the Isle of Wight for a six weeks' visit.

Henry Klunder has left the Anderson Floral Company.

Lawrence Kelley left W. E. Lynch on Wednesday.

Visitor: J. A. Peterson, Cincinnati.

St. Louis.

SCARCITY OF ROSES.—PRICES HIGH.—BUSINESS BRISK.—AMONG THE GROWERS AT KIRKWOOD.—MANY FINE CARNATIONS AND VIOLETS.—ARMSTRONG TO REJUVENATE HIS RANGE.—AT "JUCKLIN" UDE'S.—RUMORS OF NEW VENTURES.—EUCHRE IN SIGHT.

The cut flower market is exceedingly short. All growers report off crop and the supply is not enough to go around, so that the commission dealer is getting roundly abused by the retailers, each one thinking he is not getting his share of the stock. The price of roses has gone so high that it takes a long purse to reach them and only those who have a wealthy class of customers can afford to carry them in stock, but even at that there is not enough to supply the demand. There are some good carnations and extra fine California violets, which are eagerly sought. There are a few Harrisii lilies coming in and sell at from 12½ to 15 cents each, wholesale. American Beauties bring from $6 to $8 per dozen, Brides and Bridesmaids from $7 to $10 per 100, Meteors $5 to $10, Perles and Woottons $4 to $6, carnations $1.50 to $4, lily of the valley $4 to $5, Romans $3 to $4.

At Luther Armstrong's place, at Kirkwood, everything is looking prosperous. Some of the houses are a little old but Mr. Armstrong states that as he is now out of the store business he intends to remodel his glass next spring and grow only for the wholesale trade. He shows some fine Brides and Bridesmaids. Mrs. Newman, who succeeded Mr. Armstrong at his Olive street store, is using all his stock at present.

At Theo. Richter's establishment I found two houses, one of carnations and the other a perfect mass of bloom of California violets. Mr. Richter was not around and I was strongly tempted to pick a bunch of violets, but happened to spy a double-barreled shot gun standing on a bench in the work shed, and concluded it would not be healthy, so leaving everything as I found it, I made my way to the houses of F. W. Ude, Sr.

Here everything is in apple-pie order and there are more California violets and carnations. This is the home of the father and mother of the five Ude boys, each one of whom owns his own place and makes a specialty of California violets and carnations. The old gentleman has a fine stock of black Spanish chickens and they are surely beauties. We were entertained by a cock fight between "John Bull" and "Oom Paul." Mr. Ude says they are always "scraping;" sometimes "John Bull" wins and sometimes "Paul;" this time "Paul" got the better of the brief engagement.

At H. G. Ude's all hands were busy picking violets and at Charles Ude's they were at the same task. He grows nothing but violets and they are fine. A. Berdan is getting along in years but is as full of life and fun as an eighteen-year-old boy. His carnations and violets are looking fine and he expects to build two more houses this spring.

F. W. Ude, Jr., has the finest carnations I have seen in a long time. His Mrs. Bradts are exceptionally good. Mr. Ude has a pink seedling which bids fair to beat any pink carnation on the market.

There is a rumor that two more extensive plants are to be erected in or near Kirkwood this spring for growing fancy roses for the St. Louis market.

The Florists' Club's euchre party will take place on the evening of February 23, and it is stated that 100 prizes are to be offered. The committee of arrangements consists of Fred. Weber, J. J. Beneke and John Kunz J. M. H.

Buffalo.

TRADE QUIET THROUGH JANUARY.—STOCK PLENTIFUL.—HEADQUARTERS FOR THE CARNATION MEETING.—HOTELS AND THEIR RATES.—NOTES.

Trade has been very quiet throughout January and the stock coming in now is more than equal to the demand. Roses are quite plentiful and carnations, violets and lily of the valley are almost an oversupply. Tulips are in. Winter weather came upon us with a rush and the sudden change has not benefited trade.

The local committee in charge of the arrangements for the carnation meeting has engaged Morgan Hall for the exhibition. The business meetings will be held in the colonial parlors of the Genesee Hotel, which adjoins the hall, and which will be the society's headquarters. The rates are $2.50 to $4 per day, American plan. Two other hotels are close by, the new Genesee, $2 per day and upward, and the Tifft, $2.50 to $4, American plan. Then not far distant are the Iroquois, Broezel, Stafford and Mansion houses with rates from $2 up. Those wishing rooms engaged in advance may secure them by addressing W. F. Kasting.

Adams is preparing for house cleaning and will paint and paper his store throughout.

Recent visitors: E. B. Sager, Red Rock, Pa.; Max Beattus, Dayton, O. W. A.

OAKDALE, N. Y.—The greenhouses of Seymour Burr were destroyed by fire on the night of January 19. The loss was $1,000 with no insurance.

Washington.

BUSINESS FAIR.—SOME GOOD DECORATIONS. SMALL & SON DO GRIDIRONS.—AT THE WHITE HOUSE.—OTHER JOTTINGS.

J. H. Small & Sons had the decorations for the Gridiron Club's fifteenth dinner on Saturday evening, January 27, at the Arlington Hotel. The room was a fairyland of flowers and electric lights, hundreds of the later being festooned in glowing garlands of smilax. The ceiling was a mass of southern smilax. The alcoves were filled with palms and back of the president's chair was a solid wall of azaleas surmounted by orchids. In the center of the large mirror hung a large gridiron, studded with electric lights. The tables, placed in the form of a gridiron, were outlined in scrolls of bronze galax leaves, the dark color of which was enlivened by roses. At intervals vases filled with roses were placed.

The American Rose Co. is cutting a fine lot of carnations, especially Luna, and Lilium Harrisii. They are growing a fine yellow rose very extensively but lost the name while in the testing house and call it the yellow Hungarian rose. The plants are in fine condition and are blooming very freely.

The judicial reception at the White House, January 24, was a grand affair and the decorations were very elaborate, as usual, some of the choicest plants grown under the direction of Geo. H. Brown and Henry Pfister being used and the whole a credit to their taste.

After a week or so of bright weather good flowers are more plentiful and in fair demand. Some of the florists are quite busy. Carnations bring from 50 cents to $1.50 per dozen; violets 50 cents to $1 per hundred; roses 75 cents to $4 per dozen.

Wm. F. Gude has moved into his fine new residence in Petworth, corner New Hampshire and Newark avenues.

P. G.

San Francisco.

NOTES AMONG THE GROWERS.—MANY FINE CARNATIONS.—NEW SORTS ON TRIAL.—BUILDING OPERATIONS.—ROSES FOR SUMMER.—WITH THE HARRISII.—NEW FIRMS.

At the nurseries of H. L. Goertzhain I found all their large stock in fine condition. They are making a specialty of carnations and have four houses of them. Wm. Scott and Flora Hill are the chief sorts grown. Quite a fine batch of Triumph was in flower. They have several houses of Harrisii which will be good at Easter. Lily of the valley and chrysanthemums are also grown in large quantities.

Sidney Clack has all the new carnations on trial and some of them are grand. He has also made a trial of Sievers' novelties. Quite a large part of the glass at this place is devoted to roses, all of which are in splendid shape. Mr. Clack has several houses of Harrisii in full bloom. James Mitchell is in charge of this large plant.

G. A. Lehmann's place, at San Jose, is in splendid shape. He is growing large quantities of carnations. His chief sorts are McGowan, Scott and Tidal Wave, of which he has four houses. He is about to begin the erection of another house to be devoted to carnations and is also putting in a very large boiler.

E. & P. Ferrari have completed the erection of two very fine houses at their place on the San Bruno road. They will be devoted to roses for summer blooming. The varieties to be planted are President Carnot, Testout and Belle Siebrecht.

Domoto Bros. are having hard luck with their Harrisii, the disease being much worse than usual; fully half the stock is affected.

Grallert & Co., at Colma, have everything in good shape and report trade as very good. Their lily of the valley is especially fine.

Eugene Lacazette and Frank Peterson have opened a store at Fourteenth and Webster streets, Oakland.

D. Rolleri & Co. have opened a store at 327½ Grant avenue. METEOR.

Tarrytown, N. Y.

MEETING OF THE SOCIETY.—MUCH ENTHUSIASM.—NEW OFFICERS TAKE HOLD.—CARNATIONS THE THEME OF THE EVENING.

Despite unfavorable weather there was a fair attendance at the meeting of the Tarrytown Horticultural Society on January 25, when President-elect Wm. Turner and the new staff of officers assumed the reins of management. Mr. Turner made a brief address, in which he asked the co-operation of every member in his effort to build up the society, and then proceeded to the business of the evening.

There were several excellent exhibits of carnations and the committee awarded President Turner a certificate of merit for a collection including New York, Mayor Pingree, Gold Nugget, Mrs. James Dean, White Cloud and G. H. Crane. Honorable mention was made of a vase of Albertini staged by John Egan & Sons and a vase of John Young shown by Cooke & McCord. In the discussion which followed Wm. Scott said that it was poor policy for private gardeners to grow the old varieties of carnations when so much interest attaches to the new and more meritorious sorts. He recommended Mrs. Lawson, Mrs. Dean and Cerise Queen among the pinks, G. H. Crane and Hector among scarlets and Mrs. Bradt as a variegated. He said that Eldorado is the best of the yellows and predicted that Lily Dean will be superseded by J. Whitcomb Riley. Mr. Scott further remarked that the new sensation, No. 666, is a sort which may not appeal to every one but that it is the forerunner of a class which will be in strong favor with many.

President Turner related his experience in growing carnations indoors all summer and stated that White Cloud and Mayor Pingree were improved by this treatment but that it had an opposite effect upon Mrs. Bradt, Melba, Gen. Maceo and others which he had tried. J. I. Donlan spoke upon the history and the evolution of the carnation since the date of its introduction and several others contributed to the discussion, which was the liveliest in the society's history.

A number of contributions to the premium fund were put on record and five new members were elected, Michael Ward and James Clarke, of Irvington, Theodore Dinkle and Peter Smith, of Tarrytown, and Wm. Kearney, of North Tarrytown.

Toronto.

TRADE BRISK BUT WEATHER UNFAVORABLE.—NEW OFFICERS OF THE LOCAL SOCIETIES.—CARNATION AND VIOLET SHOW PLANNED.

Business continues fair notwithstanding the disagreeable, changeable weather, unfavorable to the production of good stock.

The Toronto Horticultural Society held its annual meeting January 10 and elected the following officers: President, Edward Tyrrell; first vice-president, Thomas McQueen; second vice-president, E. F. Collins; secretary and treasurer, Chas. E. Chambers; directors, Henry Lucas, Dr. J. O. Orr, J. McP. Ross, Herman Simmers, G. R. Copping, A. G. Chambers, J. P. Slater, Dr. Hamilton and A. H. Watkins. The directors met January 23 and arranged the preliminaries of a violet and carnation exhibition to be held at St. George's Hall about March 8.

The new staff of officers of the Toronto Gardener's and Florists' Association are: President, Wm. Jay; first vice-president, E. Grainger; second vice-president, C. Pragnall; treasurer, G. H. Mills; secretary, W. C. Jay; assistant secretary, Ernest Collins; directors, Thos. Manton, J. C. Chambers, W. Muston, W. Woods, A. H. Watkins, J. W. Goodier and Frederick Brown.

Montreal.

ANNUAL MEETING OF THE GARDENERS' AND FLORISTS' CLUB.—THE OFFICERS ELECTED.

The annual meeting of the Montreal Gardeners' and Florists' Club was held January 22 and, after several very favorable reports were read by retiring officers, the following elections were made:

Hon. president, Lord Strathcona; president, G. A. Robinson; first vice-president, F. C. Smith; second vice-president, R. W. Whiting; treasurer, Walter Wilshire; secretary, W. H. Horobin; assistant secretary, Fred. Bennett; executive committee, John Walsh, John Eddy, James McKenna, W. J. Wilshire, William Hall and C. A. Smith.

The annual dinner, which was held at McHugh's hotel, Lachine, on January 29 was a great success.

Rochester, N. Y.

All through the month of January trade was fairly steady, and now the supply of flowers is adequate to meet existing demands. Some of Walter Salmon's roses compare favorably with the best grades anywhere. Violets have greatly improved and are now quite plentiful. Carnations, too, have gained in size and quality. Freesias are cheaper than usual. Tulips are rapidly improving; good La Reines sell well. Plant trade keeps up steadily; azaleas take the lead in flowering plants with cyclamens closely following. Dendrobium nobile in 5 and 6-inch pots seems to find more favor with each succeeding year.

The Western New York Horticultural Society held its annual sessions here last week. The attendance was large, as the organization now has a membership of 457 and the society is in prosperous condition. Many subjects of interest were discussed. A very creditable exhibition of fruit was laid out on long tables. Ellwanger & Barry had the largest exhibit but several others made good showings. J. B. K.

CENTRAL NEW YORK HORTICULTURAL SOCIETY.—The eleventh annual meeting was held at Syracuse January 30, when the principal feature was an address on "How not to do it" by Grove P. Rawson, of Elmira. The following officers were elected: President, S. T. Betts; vice-presidents, E. A. Powell, A. D. Perry, J. William Smith, L. E. Marquisee, C. W. Snow and A. C. Chase; secretary, N. H. Chapman; treasurer, David Campbell; members of the executive committee for three years, S. W. Rose and C. A. Fox.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

ELSEWHERE in this issue you will find pictures of lilacs, lemons and hailstones, all of interest to florists.

THE annual meeting and exhibition of the American Carnation Society will be held at Buffalo, February 15-16.

CARNATION OLYMPIA was lately exhibited by John N. May before the Royal Horticultural Society of England.

THE directors of the American Window Glass Company have authorized a further reduction in price of two and one-half per cent and the war between the combine and the independents goes merrily onward.

EDWIN LONSDALE does not claim the delicate pink sport of Begonia Gloire de Lorraine, illustrated in our issue of January 27, as his own, its origin being in doubt. No authentic information is to be had as to its origin. What Mr. Lonsdale does claim, however, is that he recognized the value of the sport and aided in making it popular.

WE are in receipt of some very good samples of cyclamen blooms from J. A. Peterson, of Cincinnati. If the habit of the plants is up to standard quality, these flowers should make them almost ideal. Some blooms of the Papilio section were very fine, and it is to be regretted that this new group has not the free-flowering habit and handsome foliage of the grandiflora type.

A Directory Correction.

Through a misapprehension on the part of the proof-readers, the address of John Niven, an advertiser, is given in the latest edition of our Directory as Crieff, N. B., when it should have been Crieff, Scotland. The initials "N. B." to our postal authorities mean New Brunswick, Canada, while in the British postal service they indicate New Britian, or Scotland.

Buffalo Hotels.

Following are the leading hotels of Buffalo, with their rates:

Genesee, American plan $3 per day and upward; European plan $1 and upward.

Broezel, American plan $2.50 to $4.

Iroquois, American plan, $4 and upward; European plan $1.50 and upward.

Mansion, American plan, $3 and upward.

New Tifft, American plan $2.50 and upward; European plan, $1 and upward.

Stafford, American plan $2 to $2.50.

Lincoln, American plan $2 to $2.50.

The Same Old Story.

AM. FLORIST CO.—Kindly discontinue our adv., "Bred in Old Kentucky." The AMERICAN FLORIST is certainly a splendid medium for advertising. The first insertion brought us orders enough to clean us out of cuttings. We enclose four dollars to pay for the insertions. When we have more stock will try it again. We were not only highly pleased with the results, but with the manner in which you displayed our adv.

C. L. BRUNSON & Co.

Paducah, Ky., Jan. 24, 1900.

Greenhouse Building.

Freeport, N. Y.—Olaf Magnusson, range of houses.

Louisville, Ky.—Jacob Schultz, 5000 feet of glass.

Nashua, N. H.—Aug. Gaedeke & Co., range of houses.

Angola, Ind.—R. Ford Carpenter, two houses.

San Jose, Cal.—G. A. Lehmann, carnation house.

Pleasant Hill, Mo.—Geo. M. Kellogg, five houses 30x250.

Champaign, Ill.—Illinois Central Railroad, four houses 12x100.

Gloversville, N. Y.—George Poole, range of commercial houses.

Chester, Pa.—Shaw Bros. one greenhouse.

Sudbury, Mass.—F. Eaton, one carnation house.

Conansburg, Pa.—Godwin & Sons, one greenhouse.

The American Rose Society.

A meeting of the executive committee of the American Rose Society was held in New York on Saturday, January 27, when the arrangements for the approaching show on March 27, 28 and 29 were nearly completed. It has been decided, in order to make the work of the society more substantial, that a bulletin shall be issued containing notes of the society's doings and of progress with roses. This will be sent free to every member of the society but will not otherwise be available. The number of premiums for the March show continues to grow in a most satisfactory manner and there is every encouragement offered to growers in all parts to compete. The gold and silver medals given by the New York Florists' Club are offered for the best 100 roses in four varieties from growers residing outside a radius of 150 miles from New York city as measured by the distances shown on the railroad time tables. This should insure a representative competition from growers distant from New York and will place their competition on an even basis.

LEONARD BARRON, Sec'y.

Longiflorum Lilies for Easter.

ED. AM. FLORIST:—We removed our longiflorum lilies from the frames November 20; they are now six inches high, stocky, with the pots full of roots. Please state when we should commence giving liquid manure, and the temperature to maintain in order to have the plants in bloom for Easter. We are holding them at 56° to 58° now. How much more heat, if any, will they require than Harrisii? The bulbs are from Japan.

T.

If the Japan longiflorum plants are at this date, January 29, six inches high and stocky they will be in bloom by Easter, which comes this year middle of April, if kept at night in a temperature of 55° to 60°; much depends on the number of bright days; if there is much cloudy weather the temperature may have to be slightly increased. We think it is time enough to apply manure water after the buds can be seen. The liquid should be made of sheep or cow manure and applied once or twice a week until the plants are nearly in full bloom.

ROBT. CRAIG.

Reclaiming Sandy Soil.

ED. AM. FLORIST:—Kindly let me know the best way to prepare for cultivation an acre of sandy soil which has never been cultivated? State also whether horse manure or cow manure are as good as any artificial fertilizer and which is the cheapest? F. R.

"F. R." does not say for what crop he wishes to prepare his land, but as a general rule cow manure is more retentive of moisture and therefore better than any other for a light sandy soil. The main thing to consider in reclaiming such soil is to get as much vegetable matter into it as possible; a good heavy dressing of cow manure will produce a good crop of clover or similar green crop which can be plowed in green; this will make a good foundation for almost any crop desired. Artificial fertilizers at the same cost will not give as good results.

JOHN N. MAY.

"Sports."

ED. AM. FLORIST:—I note what is said on page 698 in the AMERICAN FLORIST of January 13 respecting a sport from a chrysanthemum, and that you take exception to the statement of the owner thereof, namely, William Gallagher, Little Rock, Ark., that it is a sport from the variety W. H. Chadwick. Your comment to the effect—"This hardly seems possible, the latter being a distinct incurved variety, while Mr. Gallagher's flower is as distinctly reflexed"—is likely to provoke further observations, for instance: It is supposed from said editorial comment that Dame Nature when in a sportive mood confines her predisposition to variation to change in color of the flower only, but such may not always prove to be the case. There is no known reason why she should not change the form as well as the color of the flower. We have many evidences where dwarf varieties in growth have been secured from different cultivated plants, and also some with larger or stronger growing tendencies, as Climbing Kaiserin, among roses, and drooping or the so-called weeping, among deciduous trees and evergreens. All these, and others which might be mentioned, being facts, then why should not the statement as made by Mr. Gallagher be true? E. L.

Hydrangeas and Spiraeas for Easter.

ED. AM. FLORIST:—Please state how and when hydrangeas and spiræas should be started for Easter flowering? Give also the treatment the plants should receive after starting. H. M.

The most important point in growing hydrangeas which are to be flowered for Easter is to have the wood well ripened in the fall; assuming that the plants have made a good growth in summer, water should be gradually withheld, beginning middle of September, and this in conjunction with the cool autumn nights will gradually harden and ripen the wood.

The plants should be taken into a cool, dry house, temperature as near freezing point as possible, before danger of frost severe enough to badly freeze the tops. Water should be entirely withheld now until the middle of December, taking care only that the wood does not shrivel. The plants should be put in more heat (say 55° night temperature) about January first and so maintained until the buds appear, when the heat may be increased to 70° or 80° if necessary to get them in. It is better to have hydrangeas in full bloom at least a week or ten days before Easter, so that the temperature may be reduced and more air given to harden them and better fit them to stand removal from the greenhouses; if kept in a high temperature until a day or so before Easter they wilt easily when put in a lower temperature or when subjected to draughts of air, which is likely to be the case if they are exposed for sale in stores, etc. ROBT. CRAIG.

Greenhouse Construction Problems.

ED. AM. FLORIST:—I have a piece of ground 160 feet square upon which I wish to build some greenhouses. It will be more convenient to place the boiler shed in the middle of the plat, running it north and south and then running the houses east and west each way from the shed. What objection can be urged against building the short slope on the south, and if so built, at what angle should the rafters stand, and what the length of rafters for a 20-foot house? What about the arrangement of benches —what height and width, and how far should the south bench be placed from the south wall? It may be well to state that we have very little cloudy or dark weather, over 300 days of the year being clear. SUBSCRIBER.

While many owners of greenhouses with the short span to the south seem well pleased with them, it must be confessed that comparatively few have been built during the past three or four years. Where the space is limited they certainly have the advantage of permitting the houses to be built "ridge and furrow." Different angles have been used for the rool, but most commonly the walls are of the same height and the sash bars on the north and south sides are respectively sixteen and eight feet. The height of the benches varies with the height of the walls and the kind of crop to be grown, but about three feet is an average height. The width of the benches varies from four feet for roses to about seven feet for carnations, violets and similar crops. The width of the south walk is usually about twenty inches. L. R. T.

Catalogues and Cut Flower Price Lists Received.

The Good & Reese Co., Springfield, O., plants, wholesale; Armand Kerlac & Sons, New Orleans, La., seeds; Weeber & Don, New York, N. Y., seeds and plants; The Blue Hill Nurseries, South Braintree, Mass., herbaceous and alpine plants, wholesale; Conard & Jones Co., West Grove, Pa., plants; Harlan P. Kelsey, Boston, Mass., hardy American plants; Plant Seed Co., St. Louis, Mo., seeds, wholesale; W. P. Simmons Co., Geneva, O., plants, wholesale; Nanz & Neuner, Louisville, Ky., plants, wholesale, retail; The Suburban Equipment Co., New York, N. Y., greenhouses, fences, etc.; John Lucas & Co., Philadelphia, Pa., paints; R. & J. Farquhar & Co., Boston, Mass., seeds; W. Goodliffe, Worthing, England, plants and bulbs; H. Cannell & Sons, Swanley, Kent, England, seeds; Wed. H. H. Broeckmans & Son, Amsterdam, Holland, seeds; J. Lambert & Son, Trier, Germany, seeds; Sander & Co., St. Albans, England, orchids; Bassett & Washburn, Chicago, Ill., rose and carnation cuttings, cut flowers and florists' supplies; E. C. Amling, Chicago, Ill., cut flowers.

OBITUARY.

H. C. WAGNER.

Henry C. Wagner, a well known German resident of Utica, New York, died January 24. He had conducted a greenhouse business for thirty-five years and is survived by a wife and three children.

PETER GASKILL.

The aged father of Geo. W. Gaskill, of Warren, O., died January 21. He was born in Lancashire, England, in 1815, but came to this country with his parents while yet a child. He had lived at Warren since 1828. Mr. Gaskill worked in his son's greenhouses up to within a few days of his death. Mrs. Gaskill survives him.

MRS. JOSEPH HILL.

Jean L. Hill, widow of Joseph Hill and step mother of E. G. Hill, died at her son's residence at Richmond, Ind., on the morning of January 26. Deceased was in her eighty-second year, having been born at Glasgow, Scotland, in 1818. She was married to Joseph Hill in 1858 and was well known to many hundreds of florists who have been entertained under her son's roof. She entered peacefully upon her eternal rest. Interment was at Earlham Cemetery on January 30.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—By first-class rose grower, single, 10 years' experience in growing first-class cut flowers. State wages. Address C H M, care American Florist, Chicago.

SITUATION WANTED—By two first-class growers as section men or to take charge; life experience. Roses a specialty. References furnished. Apply G H, care Chicago Hotel, 152 & 156 Clark St., Chicago, Ill.

SITUATION WANTED—As headgardener on gentleman's estate in west; life experience in all branches of horticulture; practical florist and nurseryman; German, married. State salary. Address E L, care American Florist.

SITUATION WANTED—By a thoroughly reliable all-around grower and landscape gardener; German 12 years' experience; competent to fill any position. Private place preferred. Address ERNEST PRIGGE, Alberton, Md.

SITUATION WANTED—After March 1st, situation as all around man, good plantsman and propagator; would take charge of orange grove and pineries. Seven years in Florida, twenty years in the other southern states. Exceptional references for 27 years; now employed on one of the largest gardens in Florida, only cause of wanting a change is that I want a chance to make more than $60 per month. Address H. A B., care American Florist.

WANTED—Man for general greenhouse work; married man preferred State wages wanted. ROSE LAWN GREENHOUSES, Fort Scott, Kan.

FOR SALE—Florist's display refrigerator, size 8x8x4 double glass display portion about 50 square ft. WM. K. ACKLEY, 402 Federal St., Allegheny, Pa.

WANTED—The present address of W. G. Monroe, grower, formerly of Chicago and St. Paul Address P I, care American Florist.

WANTED—Two men to work in greenhouses; roses, carnations and general stock. Address, stating wages wanted with board, COLE BROS., Peoria, Ill.

WANTED—Experienced orchid grower; steady position, $45 per month and rooms; married one preferred Address R H, care American Florist.

WANTED—Experienced grower and propagator of stove plants, $45 per month and rooms Steady position. Address R H, care American Florist.

WANTED—Traveling salesman, well acquainted with the florist trade, desires a good side line. Address FLORIST, 2725 Wabash Ave., Chicago, Ill.

WANTED—A copy of Issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—Man for general greenhouse work on retail place. Good chance to work up. Give full particulars first letter. F G H, care Am. Florist.

WANTED—Young man with some experience in roses, carnations and bedding stock. Must be sober intelligent and industrious. State references, experience and wages per month including board. GEO. S BELDING, Middletown, N Y.

WANTED—A rose grower who thoroughly understands growing A No. 1 stock. Wages $15. The right party will have a good position. First-class references required. Address M K, care American Florist, Chicago.

WANTED—A first-class man, married preferred, who thoroughly understands growing cut flowers—roses, carnations, 'mums and violets, is willing to take hold in earnest, and aid in all work necessary to a rapidly growing cut flower and plant trade, wholesale and retail, in the best city in the country. The right man can take advantage of an opportunity of a lifetime. Address with references, LINDSAY THE FLORIST, Birmingham, Ala.

FOR SALE—Commercial place of R. D. BAKER, Canon City, Colo.

TO RENT—For cash or share, greenhouses of 9,000 feet in full operation. Address GREENHOUSES, care American Florist.

FOR SALE—Four greenhouses well stocked, with fine residence, all as good as new; hot water heating, city water, electric cars, R.R. MORITZ TITTEL, 1939 W. Leland Ave., Jefferson Park, Chicago.

FOR SALE—Greenhouse plant, four large houses (new), iron and cypress construction; large dwelling, ½ acre city lot on street car line. Finest heating in existence, and heats dwelling also. Steam heating, vacuum steam heating (new wrinkle) or water heating. Either of these three can be used, (am using vacuum steam at present and it beats everything). Good cellar for mushroom growing. Address A. T HOYT, Warren, Ohio.

WANTED, A SITUATION AS MANAGER OR FOREMAN.

The undersigned would like to correspond with anyone requiring the services of a manager or foreman, thoroughly competent and of good executive ability, to take charge of an establishment where good stock of every description is wanted. Seven years as foreman for W. N Rudd, Mount Greenwood, Ill. Can furnish excellent references as testimony of my ability to fill such a position. Address CHAS. W. JOHNSON, 30 Bench St., Stapleton, Staten Island, New York.

FOR RENT.

One hour's ride from Chicago, on North-Western Ry., 14,000 feet of glass in first-class condition —five acres of choice land if desired. A splendid opportuninty for good grower with a little capital.

J, Care American Florist.

FOR SALE. A first class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

∴FOR SALE.∴

A Greenhouse plant of 36,000 square feet of glass, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with every modern appliance; have Herendeen boilers, and are well stocked with Roses, Carnations, Ferns and everything pertaining to the business. Will be sold at a sacrifice, as owner has other interests.

For further particulars apply to

PROPRIETOR,

P. O. Box 797, Pawtucket, R. I.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

...SPECIAL...
ROOTED CUTTINGS.

Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000.

50,000 Verbenas, 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000. Strong, 2-in., $2.00 per 100; $18.00 per 1000; full of Cuttings, elegant stuff.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

1,000 Paul Bruant, the best semi-double scarlet Geranium, extra strong, 2½-inch, 3c.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.50 per 100.

Fuchsias, best sorts, $1.50 per 100. Vinca Major, $1.00 per 100.

Smilax, strong, 2½-inch, $1.50 per 100, 2-inch, $1.00 per 100. Seedlings, big bushy plants, fit to plant right out, 50c per 100; $4.00 per 1000, delivered.

500 Cinerarias, 2½-inch, $2.00 per 100.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1.00 per 100.

Our wholesale descriptive list of Specialties mailed on application. Cash must accompany all orders. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Wholesale Flower Markets

CINCINNATI, Feb. 1.

Roses, Beauty, select	75 00
" " medium	25.00
" Bride	6.00@ 8.00
" Bridesmaid	6.00@ 8 00
" Meteor	6.00@ 8.00
" Perle	4.00@ 5 00
Carnations	1 50@ 2 00
" fancy	3 00@ 4.00
Lily of the Valley	3.00@ 4 00
Violets	.75@ 1.00
Narcissus	2.00@ 3 00
Roman Hyacinths	2 00@ 3.00
Callas	8.00@10 00
Harrisii	8.00@10.00
Daffodils	3.00
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, Feb. 1.

Roses, Beauty	10.00@20.00
" " fancy	25.00@50.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6 00@ 8 00
" Perle, Wootton	4.00@ 6.00
Carnations	1 50@ 3 00
Lily of the valley	3.00@ 4.00
Violets	.40@ .60
Narcissus	2.00@ 3.00
Romans	2.00@ 3.00
Callas	10.00@15.00
Harrisii	12 50@15.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	50.00@75.00
Sweet Peas	1.50@ 2.00

MILWAUKEE, Feb. 1.

Roses, Beauty, long, per doz.	4.00@ 6.00
" " medium " "	1.50@ 3.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	6.00@ 8.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	2.00@ 3.00
Violets	.75@ 1.00
Roman Hyacinths	3.00@ 4 00
Mignonette	2.00@ 3.00
Adiantum	1.00@ 1 50
Common ferns	.25
Smilax	15.00@18.00
Asparagus	75.00

PITTSBURG, Feb. 1.

Roses, Beauty	5.00@40.00
" Bride, Bridesmaid	3.00@10.00
" Meteor	3.00@10.00
" Kaiserin	3.00@10.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6.00
Carnations	.75@ 3.00
Lily of the valley	3.00@ 4.00
Violets, double	.50@ 1.50
" California	.35@ .50
Narcissus Paper White	2.00@ 3.00
Roman Hyacinths	1.50@ 3.00
Harrisii	15 00@20.00
Freesias	3.00@ 4.00
Tulips	3.00
Mignonette	1.50@ 4.00
Smilax	10.00@15.00
Wild Smilax, per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax Leaves	.15

Cyclamen Plants.

THE management of the Rosebank nurseries has decided, in order to make space for other crops, to dispose of the stock of cyclamen plants reserved for special city trade.

This stock is in the best possible condition of form, foliage and florescence, and will be so packed that we have no hesitation in guaranteeing its safe arrival.

Five and Six Inch Pots, averaging twelve blooms each, Six Dollars per dozen.

NO CHARGE FOR PACKING.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin
124 Tremont St., BOSTON, MASS.

WEILAND-RISCH FLORAL CO.

WHOLESALE GROWERS OF CUT FLOWERS

We have all the New and Standard Varieties of Roses and Carnations. American Beauties a specialty.

TELEPHONE 605 SALESROOM: 1607 ORRINGTON AVE., EVANSTON, ILL.

WRITE US FOR PRICES ON CARNATION CUTTINGS AND ROSE PLANTS.

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

HARDY CUT FERNS

Write for prices.

Strictly first-class stock.

LOOSE LAUREL, in sacks, suitable for wreathing and roping.

JOHN ABBOTT, Hinsdale, Mass.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen. CYPRIPEDIUMS, $15.00 per 100.

	Per Dozen.
AM. BEAUTIES, Ex. long	$7.00 to $8.00
" 24-inch stems,	5.00 to 6.00
" 20 " "	4.00
" 15 " "	3.00
" 12 " "	2.00
" short "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 2.00
BRIDES	6.00 to 10.00
BRIDESMAIDS	6.00 to 10.00
METEORS	6.00 to 10.00
PERLES	4.00 to 6.00
VALLEY	3.00 to 4.00

	Per 100.
VIOLETS, double	$1.00 to $1.25
" single	.50 to .75
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	.75 to 1.00
ASPARAGUS.....50 cts.	
SMILAX.....$1.50 per doz.	12.50
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS...$1.25 per M.	.15
(Vermont Fern Co.'s very best.)	
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4.50
No. 5 " 40 lbs.	5.50
No. 6 " 50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, BULBS, ETC., ETC.

We are strictly headquarters in the Western States for MASSACHUSETTS FANCY FERNS,

Present prices: Per M. $1.50; per 5 M lots, $5.50.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

All stock at lowest possible prices.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO. Feb. 2.

Roses, Beauty, extra long stems	6.00@ 8.00
" " 30 inch "	5.00
" " 24 " "	4.00
" " 20 " "	3.00
" " 15 " "	2.00
" " 12 " "	1.50
" " 8 " "	1.00
" Bride, Bridesmaid.	8.00@12.00
" Perle	4.00@ 8.00
" Meteor	8.00@10.00
" Kaiserin	8.00@10.00
" La France	6.00@ 8.00
" Golden Gate	10.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Violets, double	.50@ 1.00
" single	.40@ .50
Lily of the Valley	3.00@ 5.00
Cattleyas...per doz.	4.00@6.00
Dendrobiums "	3.00
Lilacs ...per doz.,	$1.00
Mignonette	1.00@ 2.00
Roman Hyacinths	1.00@ 2.00
Narcissus	3.00@ 4.00
Harrisii...per dozen	1.50@2.50
Callas "	1.50@2.00
Freesias	3.00@ 4.00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy Ferns	.20
Smilax	10.00@20.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street. CHICAGO, ILL.

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Flor sts' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES. FLORISTS' SUPPLIES

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

If you write to any advertiser anywhere mention the paper in which you saw the ad. Both publisher and advertiser will like you better for it.

Wholesale Flower Markets

PHILADELPHIA, Jan. 31.

Roses, Tea	6.00@10.00
" " extra	10.00@12 00
" Beauty, extra	40.00@50.00
" " firsts	20.00@30.00
" " seconds	6.00@12.00
Carnations	1.00@ 1 50
" fancy	2.00@ 4.00
Lily of the valley, Romans	3.00@ 4.00
Violets	.50@ 1.00
Daffodils	5 00@ 6 00
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	25.00
Adiantum	1.00

BOSTON, Jan. 31.

Roses, Beauty, extra	30.00@50.00
" " medium	15 00@20 00
" " culls	2 00@ 5.00
" Bride, Bridesmaid, Meteor	4.00@ 6 00
" " special	8 00@12.00
Carnations, ordinary	.75@ 1 00
" fancy	2 00@ 3.00
Lily of the valley	2.00@ 3.00
Violets, single and double	.75@ 1.00
Daffodils	3.00@ 4 00
Longidorums	8.00@10.00
Paper White Narcissus	1.50@ 2.00
Roman Hyacinths	.75@ 1.50
Mignonette	3.00@ 4 00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Rosee, Cernations, end all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. Louis, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

In either stiff or flexible cover. ADDRESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

J. K. ALLEN,
...Wholesale Florist...
SPECIALTIES: AMERICAN BEAUTY ROSES AND VIOLETS. SPECIAL STOCK.
New Telephone No. 167 Madison Sq. Price list on application. 57 W. 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE FLORIST
New Telephone No. 902 Madison Sq. 39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
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THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
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FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
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N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
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YOUNG & NUGENT,
WHOLESALE
Commission Florists.
SUPERB VIOLETS.
ORCHIDS, ROSES, CARNATIONS.
42 West 28th Street,
Telephone 2065 Madison Sqr. NEW YORK CITY.

FINE SMILAX NOW READY.
12½ cents full string.
H. TONG, Wholesale Grower, Ashtabula, Ohio.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
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Wholesale Flower Markets

NEW YORK, Jan. 31.

Roses, Beauty select	25.00@40.00
" " medium	10.00@15.00
" " culls	2.00@ 5.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " " Specials	6.00@12.00
Carnations	50@ 1.00
" fancy	2.50@ 4.00
Lily of the valley	1.50@ 1.50
Violets	.40@ .75
Romans Hyacinths, P. W. Narcissus	.50@ 1.00
Yellow Narcissus	2.00@ 3.00
Mignonette	2.00@ 8.00
Callas, Harrisii	6.00@ 8.00
Cattleyas	25.00@35.00
Dendrobium formosum	15.00@20.00
Cypripediums	10.00@12.00
Smilax	8.00@12.00
Asparagus	35.00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	1.00

BUFFALO, Feb. 1.

Roses, Beauty	5.00@60.00
" Bride, Bridesmaid, Meteor	3.00@12.00
" Perle, Niphetos	3.00@ 5.00
" Kaiserin	3.00@ 8.00
Carnations, ordinary	1.00@ 2.00
" fancies	2.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets	50@ 1.25
Narcissus Paper white	2.00@ 3.00
Roman Hyacinths	1.00@ 3.00
Harrisii	15.00@20.00
Callas	10.00@15.00
Tulips	4.00@ 5.00
Smilax	12.50@20.00
Adiantum	.75@ 1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	30.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Galax Leaves
To Dealers Outside of New York City.
Choice Galax.....$0.40 per M.
Choice Leucothoe..... 2.00 "
Special attention given orders to go in co'd storage. Order at once.
J. N. PRITCHARD, ELK PARK, N. C.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square .....NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITING BOSTON: A. T. Boddington, New York.

THERE has been plenty of rain in California and planting is progressing better than usual for this time of year.

AT Dunkirk, N. Y., John M. Hackett and James L. Drohen have formed a partnership under the name of the South Shore Seed Co.

S. W. CALLENDER has left S. F. Leonard, Chicago, to embark for himself at Minneapolis in the fruit and produce commission business.

As an indication of opinions as to prospects for spring it is pointed out that the mail order houses are doing more advertising than usual in the early numbers of the magazines of general circulation.

Prize Seed Contest.

In October last Prof. Robertson, commissioner of agriculture and dairying, Ottawa, personally offered $100 in twenty-four prizes to boys and girls for 100 heads of wheat and oats bearing the largest number of seeds. The farmers' boys and girls took the matter up with interest. All the provinces were represented in the competition. British Columbia took first prize for both wheat and oats. The prizes went to the provinces in the following order: Ontario, 13; British Columbia, 3; Northwest Territories, 2; Manitoba, 2; New Brunswick, 2; Nova Scotia, 1; Quebec, 1. Many very superior samples of grain were submitted and some of the competitors showed much skill and taste in arranging the heads daintily and packing them carefully. However, some lots arrived in poor coverings and a generally dilapidated condition.

Prof. Robertson says that a generous friend, who has the best interests of the farmers' girls and boys and of the agricultural community closely at heart, has made it possible for him to offer cash prizes to the amount of $10,000 for a competition in the selection of seed grain in all the provinces during the next three years. Full particulars regarding this splendid encouragement to farmers' boys and girls will be published early next month.—*Detroit Free Press, Dec. 30.*

MARION, IND.—John McDougle has purchased what is known as the Henry Eubanks property and will carry on a florist business there.

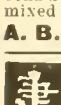
NEW HAVEN, CONN.—Adolph Beck, formerly the proprietor of a fine business in Rhode Island, died here from the effects of too much laudanum. He leaves a widow and five children.

HOWARD'S

Royal Splendor Verbena Seed.

Large flowers, great variety in richness of colors, compact habits. Grown and selected by myself for 25 years. Florists pronounce my Verbena Seed the finest strain in cultivation. Choice mixed colors, per trade packet, 35 cents.

A. B. HOWARD, Belchertown, Mass.



Send for our NEW LIST of Plants for EASTER forcing. Florists FRESH Flower Seeds, etc. READY NOW. Tuberous Begonias, single, 5 separate colors, 1 to 1½ inch, doz .40c; 100 $2.50; 1½ to 2 inch, doz .50c; 100 $3. Dbl., separate colors, EXTRA LARGE, doz., 80c; 100, $6; 1 to 1½ inch, doz., 75c; 100, $5. Gloxinia, FINEST strains, doz., 50c; 100, $3. READY JANUARY. Asparagus Sprengerii seed, 100, 75c; 1000, $6. Asp. Pl. Nanus, 100, $1.25; 1000, $10. Latania borb seed, 100, 40c; 1000, $2.50. Pandanus utilis, 100, $1.25; 100, $10. Cocos Wed., 100, $1; 1000, $7.50. Japs. Fernballs, sample 50c; doz., $4.50.

H. H. BERGER & CO., 47 Barclay St., NEW YORK.

Excelsior Pearl TUBEROSE Bulbs,

3 to 4 inches in circumference, per 1000, $2.50. Cash with order.

Caladium Esculentum Bulbs,

Sizes four to twelve inches circumference, live center shoot. Write for prices to

JNO. F. CROOM & BRO., Magnolia, N. C.

FLORISTS' FLOWER SEEDS AND BULBS

ASTER	Semple's True Branching, mixed	large trade pkt., 20c; oz., 50c.
"	" Shell Pink, white and red	" " " 25c; " 75c.
"	Imp. Pæony Flowered Perfection, mixed	" " " 25c; " 75c.
"	" Victoria, mixed	" " " 25c; " $1.25
Ampelopsis Veitchii		per oz., 10c; per lb., 75c.
Clematis Paniculata (fine stock)		large trade pkt., 15c; per oz., 50c.
Cosmos California Giants		" " " 10c; " 40c.
Calla Spotted Leaved, Large Bulbs		per doz., 40c; per 100, $2.75
Lily of the Valley Pips, Berlin 3 years old sand grown large crowns		per 100, $10.00; per case (2500) $23.00
Lilium Auratum, Japanese grown, fine Bulbs.	8-9, per doz., 75c; 100, $4.75; 9-11 per doz., $1.00; 100, $7.50	
Lilium Speciosum Rubrum	8-9, per doz., 75c; per 100, $4.75; 9-11, per doz., $1.00; per 100, $7.50	
Lilium Speciosum Album	8-9, per doz., 80c; per 100, $6.00; 9-11, per doz., $1.00; per 100, $7.00	
Salvia Splendens (Floracroft strain)		large trade pkt., 20c; per oz., $1.00
Smilax		per oz., 30c; per lb., $2.50
Verbena, Mammoth mixed		large trade pkt., 25c., per oz., $1.00

Send for Florists' Wholesale List.

JOHNSON & STOKES, and 219 Market Street, PHILADELPHIA, PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

CHOICE FLOWER SEEDS FOR FLORISTS

is now ready. A post-card will bring it to you.

We have still on hand some of our

LILY OF THE VALLEY PIPS,

the finest that come to this country.

Per 1000, $10; cases of 3000 at $9 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Please mention the American Florist when writing.

Lily OF THE Valley PIPS.

"London Market" and "Premium" Brands.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St.

CHICAGO: 84-86 Randolph St.

Gardening Under Glass

Try Watson's for

SELECT STOCKS

of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, originator's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25

MUSHROOM SPAWN, my celebrated "W. P." brand, best in the world, 10 lbs. for $1.00. Sample brick, postpaid, for 25c.

RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.

GRAPE VINES, for graperies, 30 varieties. 1-yr., 75 cts; 2-yr., $1.50 each.

Bailey's Forcing Book The latest up-to-date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass. 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Penoock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,

Importer and Exporter of

GRASS and GARDEN SEEDS, BULBS,

Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.

Office & salesroom, Juniper St. below Walnut,

PHILADELPHIA, PA.

XXX SEEDS

VERBENA GRANDIFLORA.

Good percentage of white.

The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 800 seeds, mixed colors, 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00.

PHLOX DRUM. PUMILA,

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.

A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES.

Tell them where you saw the ad.

VAUGHAN'S FLOWER SEEDS.

FOR PRESENT SOWING

Strictly high class, **NEW CROP FLOWER SEEDS** of choicest, most carefully selected strains, for florists' use, in great variety.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE. which is better now than ever. Trade pkt., 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY, CHICAGO PARKS MIXTURE. trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, Snowball and Longfellow. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trade pkt.,10c; oz., 40c.

" **CANDIDISSIMA.** 1000 seeds; 25c.; oz., $1.

DRACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trade, pkt., 25c; ⅛ oz., 35c.

KENILWORTH IVY. Trade, pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

LOBELIA CRYSTAL PALACE COMPACTA. Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

LOBELIA, SUTTON'S GEM. White, pink or blue. Each, trade. pkt., 20c.

LOBELIA, White Lady; dwarf white. Pkt., 15c.

MIGNONETTE MACHET. true. Pkt., 10c.; oz., 40c.

" Bismarck, new, an improved Machet. Pkt., 15c.; ¼ oz., 50c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE, mixed, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE, each, 250 seeds, 50c.

PRIMULA FORBESI, "Baby Primrose," 500 seeds, 25c.

" " **COMPACTA,** new, 500 seeds, 35c.

SALVIA SPLENDENS, Clara Bedman. Pkt. 25c.

" " Drooping spikes. ¼ oz., 25c.

" " New crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA and **ROSEA,** each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz., 30c; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura, and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE, contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent on orders for flower seeds for $2.00 and over for cash with order.

For other seeds, send for our complete Flower Seed List, in our **Book for Florists.**

TUBEROSE BULBS! True Excelsior Dwarf Pearl.

First size, 4-6 in., per 1000, $7.00; 3000 for $20.
Mammoth, 6-8 inch, per 1000, $10.00.
Medium size, 3-4 inch, per 1000, $3.75.

Fern Balls, dozen, $4.00.

New York. **VAUGHAN'S SEED STORE.** Chicago.

Sweet Peas for Florists' Planting.

Cupids and Burpee's Bush.

These most distinct types have greatly increased and widened the area of successful Sweet Pea culture, as the low, compact growth and wonderful root-system of the plants enable them to resist heat and drouth to a much greater extent than the tall-growing sorts, which, under similar unfavorable conditions, are apt to suffer from the red spider and other troubles, the vines drying up after only a brief period of bloom. These new types are not so well adapted for growing in cool, moist locations; the dense, compact growth of foliage being quite apt to "damp off" under such conditions, so that the two distinct types of tall or running growth and the low, bush-like and spreading growth should be used to complement each other.

The flowers of the CUPID type are borne on stiff stems, too short for bunching effectively, but quite desirable for boutonnieres and design work, strikingly resembling rosebuds when freshly opened. It is as a border or bedding plant that they develop the greatest beauty; the rich, dark-green carpet of foliage being literally hidden by the clusters of lovely flowers. The new BUSH SWEET PEA has flowers of large size and fine form, borne on long stems, equally as well suited for bunching as those of the tall-growing varieties, and from present indications we shall soon be able to offer quite a complete assortment of shades and colorings, so that florists having light soils or very dry locations will be able to grow a supply of Sweet Peas for summer cut-flowers quite as readily as those situated in cool, moist locations.

The Best for Forcing is Burpee's "Earliest of All."

For planting under glass we recommend only the tall or running varieties, which can be trained to strings or other supports, although some growers have succeeded splendidly with the Cupids as pot-plants under glass. Our new variety, BURPEE'S "EARLIEST OF ALL," is distinctly the finest and most profitable Sweet Pea for forcing, by reason of its extremely early flowering and beautiful coloring. From seed planted in raised beds the last week in August the vines began blooming the last of October, and continued to flower until cut off by the heat of the late spring months. The seed is sown thinly in drills twelve inches apart running across the beds, and the vines supported with light wire stakes. The vines branch freely and furnish a profusion of fine large flowers on long stems, usually three in a spray. The standards are a rich, bright rose, well expanded, and the wings of a creamy white, frequently tinged or spotted with rose, identical in all respects with the popular *Blanche Ferry*. In the open ground the growth is quite dwarf, only eighteen inches to two feet in height, and the plants are in full flower from a week to **ten days in advance** of even the *Extra Early Blanche Ferry* or *Emily Henderson*, while under glass no other variety at all approaches it in earliness, the ordinary varieties seldom flowering before February, even from seed planted early in the fall.

The Best Pure Whites.

Pure white is also a most useful color for florists. The *Emily Henderson* is the earliest flowering, but rather delicate in texture and with distinct notch at the top of the standard. BLANCHE BURPEE blossoms later, is of very strong growth, and continues longer in flower; the flowers are of very large size, grand form, and good substance, lasting a long time when cut. "SADIE BURPEE" is considered by Mr. Eckford his finest variety, "*absolutely the grandest white.*" The vines are of very strong growth, the flowers of extra large size and beautiful, shell-like form on long stem. One type of "*Sadie Burpee*" is distinct in having black seed, so that it can be planted earlier in the spring. Under exceptionally favorable conditions the standards of the longest flowers are "notched" near the base as in *Butterfly*.

BURPEE'S MODESTY is a creamy white with only the faintest tint of delicate pink, black-seeded and hardy, and would answer well as a white sort.

Popular "Pink and White."

As stated before, the combination of Pink and White, as in the Blanche Ferry, is the most popular coloring in the Sweet Pea. For outdoor planting we recommend that BURPEE'S "EARLIEST OF ALL," *Extra Early Blanche Ferry*, and the regular strain of *Blanche Ferry* should all be planted, as they will flower in succession in the order named, giving the longest period of bloom.

Clear Light Lavenders.

In Lavender we recommend BURPEE'S NEW COUNTESS, *Lady Nina Balfour*, and *Lady Grisel Hamilton*, all of the most soft and pleasing shades, differing slightly in tint.

Pinks of Several Shades.

In pink we recommend *Lovely*, a soft shell-pink with creamy border; *Prima Donna*, beautiful light blush-pink; *Prince of Wales* (an improved *Her Majesty*), very large, finely-hooded flowers of a rich, glowing rose-pink; *Hon. F. Bouverie*, soft flesh-pink tinted with buff, a most distinct shading; *Royal Rose* (an improved *Apple Blossom*), a bright flesh-pink, grandiflora size, and beautiful form.

The Best Two Scarlets.

In scarlet, *Salopian* is the most glowing in shade. BURPEE'S BRILLIANT and the improved "SUNPROOF" SALOPIAN will best resist the strong sunshine, being free from the blackening of the standard so troublesome with the other scarlet varieties.

Creamy Yellow or Primrose Tints.

In creamy yellow or Primrose tints *Mrs. Eckford* is the deepest in shade, while *Queen Victoria* is the largest in flower and of finest form. STELLA MORSE is of a rich apricot tint bordering on buff.

Two Bright Blues.

The rich BURPEE'S "NAVY BLUE," introduced last year, is most distinct and one of the finest for cut flowers; vines of strong growth, wonderfully free and continuous bloomer with three and four large flowers on a long stem. The flowers are of very large size, fine, open form, and a rich violet-blue or purple. Extremely rich, it should be planted by every florist, as it will be without doubt the most popular dark-colored variety.

Eckford's *Countess Cadogan*, also introduced last year, is a most charming bright blue of a lighter shade. It is vastly superior to *Captain of the Blues*, and is sure to become very popular for cut-flowers.

The Most "Gorgeous" of All.

For a rich, glowing orange we recommend BURPEE'S GORGEOUS and *Lady Mary Currie*, which are quite similar in shade, but distinct in form, the latter having a tall, pointed standard. Both are of a rich orange-salmon tint, with darker and richer veinings. A most distinct and striking shade.

The Best Orange-Pink.

Lady Penzance has been for years a great favorite, but is now surpassed by BURPEE'S ORIENTAL. This is the largest and finest in coloring of this type (unless we place *Lady Mary Currie* in the same class) and it does not fade under the hottest sun.

The Best Very Dark Varieties.

For the darkest and richest colors aside from *Navy Blue* we would plant *Othello*, a beautiful dark brown with satiny finish; and *Duke of Westminster*, a deep maroon, both of the largest size.

All the above are self-colored flowers of the largest size and finest form in their respective colorings, these self-colored flowers being the most popular for bunching. Florists should include also the following fancy or variegated sorts to complete the finest assortment: GRAY FRIAR, violet-purple, watered veinings, and shading on a silvery-white ground; PINK FRIAR, the same markings, but of a soft cerise-pink; AURORA, a grand, large, silvery-white flower, delicately striped and flaked with salmon-pink; WAWONA, white, striped with a beautiful heliotrope shade; LOTTIE HUTCHINS, daintily flaked with pink on a creamy-white ground; *Lottie Eckford* and MAID OF HONOR of the dainty "blue and white" blendings.

The above selections cover an extensive range of shades and colors, but our list of varieties offers many others of distinct shades, suitable for cut flowers, from which florists can select those most desirable for their needs.

Burpee's Blue List for 1900.

A complete catalogue giving lowest prices possible for Florists and Market Gardeners mailed free upon application. It is a book of 144 pages, giving much useful information and offering all the "Best Seeds that Grow."

W. ATLEE BURPEE & CO., Philadelphia.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

WM. C. BARRY has been re-elected president of the Western New York Horticultural Society.

ORLANDO HARRISON, Berlin, Md., has been elected vice-president of the Peninsula Horticultural Society.

E. A. FROST, of Rochester, formerly of the well known firm of E. A. Frost & Co., died January 24, aged 64 years.

A Cemetery Plant.

ED. AM. FLORIST:—I send under separate cover two sprays of a plant which is much sought here for cemetery planting. It is perfectly hardy and one variety bears a lavender flower while that of the other is white. Please give the name of the plant and state how it is propagated.
Michigan. U. P.

These are varieties of the moss pink (Phlox subulata) which is readily propagated by division of the old plants shortly after they have ceased blooming in spring, transplanting in the open ground. Where the work is deferred until later in the season the divisions should be planted and wintered in cold frames, removing the plants to their permanent location the following spring.
GROWER.

We are now booking Import Orders for

H. P. ROSES,

in all popular varieties, at $50.00 per 1000, f. o. b. Boskoop, Holland.

We would be glad to give prices upon Rhododendrons, Azalea Mollis, Clematis, hydrangeas, etc., upon application.

ENGLISH IVY. Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting. $4 per 100, $35 per 1000.

Bobbink & Atkins,
....RUTHERFORD, N. J.
NURSERY AND STORAGE CELLAR AT
Carlton Hill, N. J.

ROSES, field-grown, 2 years old.
AMPELOPSIS VEITCHII, 2 years, strong.
CLEMATIS JACKMANNI, 2 years, XXX.
FLOWERING SHRUBS.
Send for our price-list giving rates upon these and other hardy ornamental nursery stock.
JACKSON & PERKINS CO., NEWARK, NEW YORK.

CARNATIONS.
Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted cuttings	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

SPECIALTIES IN BEST ....VARIETIES
ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

DIELYTRA SPECTABILIS (Bleeding Heart), good roots — Per 100 *$7.00, Per 1000 $60.00
*Note my low rate on this fine, old-fashioned plant now so scarce—don't miss this chance.
CLEMATIS JACKMANNI, two year, from pots — 25.00
VALLEY, 3 year pips, extra selected, true Berlin — 1.50, 12.00
LILIUM HUMBOLDTI, heavy bulbs of this beautiful and rare lily — 17.00
PAEONY, Francois Ortegal, the best crimson for cutting — 8.50
FEATHERED HYACINTH, or Purple Mist, (Muscari) — 1.00
SPANISH IRIS, Wm. III. and British Queen — 1.00

GEO. C. WATSON, Seedsman,
Importer and Exporter of
GRASS AND GARDEN SEEDS, BULBS,
Mushroom Spawn,
Raffia, Fertilizers and Forcing Stock.
Office & Salesroom, Juniper St., below Walnut,
PHILADELPHIA, PA.

Several thousand strong field grown, 2 year old
ZELIA PRADEL ROSE
plants for sale, $15.00 per 100.
JOHN WOLF, - Savannah, Ga.

AMERICAN ELMS.
8 to 10 feet, 1 to 1½ inch caliper.
25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.
SEND FOR PRICE LIST.
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CRIMSON RAMBLER,
Strong plants, 3 to 4 ft. — $15.00 per 100
Extra strong plants, 4 to 5 ft. — 18.00 "
Acalypha Sanderi, 2½ in., $8.00 per 100.
THE CONARD & JONES CO.
WEST GROVE, PA.
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THE peer of any light pink Carnation ever offered to the trade. A commercial triumph. Its beautiful color, large size and its matchless length and stiffness of stem make it, beyond a doubt, the queen of its class. There is nothing like it. We offer it to the commercial grower as a money getter of the first magnitude.

As an exhibition flower, it ranks high. It will take care of itself in its class. It has carried off the highest honors wherever shown. The blooms are now being sold in the most critical market and bringing highest prices. It will not be over-propagated. Our book will close as soon as the limit is reached. Order early and be sure.

$75 00 per 1000, $10.00 per 100, $2.00 per doz.

☞Pleaee Note: Stock for delivery prior to March 15th, all sold. Are now booking orders for that date and later. Stock ie going fast. Don't delay.

Send for complete description of above. Also MRS. THOS. W. LAWSON, OLYMPIA, THE MARQUIS, ETHEL CROCKER, JAS. WHITCOMB RILEY, CHICAGO and ESTELLE, at introducers' prices.

H. Weber & Sons, OAKLAND, MD.

Write for Prices

Of Rooted Cuttings and 2-in. Roses, also Cut Flowers.

A few hundred two-year-old Kaiserins ready to ship.

We are shifting from 2 to 2½-in. pots our first lot of Roses, which will be ready to ship out about February 15th. Have ready now Rooted Cuttings and 2-in. stock. Send 50c or $1.00 for samples and prices of what you want. Satisfaction guaranteed.

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New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y.

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WINTER-BLOOMING CARNATION SEEDS

Hand fertilized, 25c per 100. Cash with order.

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We are booking orders for

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at introducers' prices. List of standard varieties ready now. Send at once for an estimate on your order.

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ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

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REX BEGONIAS

8000 fine plants out of cutting bench..... 2c.
500 2 and 2½-in. strong plants, fine..... 5c.
500 2½-in., strong plants, leaves damaged. 2c.

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GENEVIEVE LORD, ETHEL CROCKER, OLYMPIA, ($12.00 per 100.) THE MARQUIS,

$10 per 100,
$75 per 1000.

MRS. THOS. LAWSON $14.00 per 100

	Per 100	Per 1000
AMERICA	$5.00	$40.00
G. H. CRANE	6 00	50.00
JUBILEE	2.00	15.00
WHITE CLOUD	3.50	30.00
FLORA HILL	1.50	10.00
JOHN YOUNG	2.00	15.00

	Per 100	Per 1000
ARGYLE	2.00	15.00
MRS. JOOST	2.50	20.00
DAYBREAK	1.50	15.00
VICTOR	1.50	12.50
SCOTT		10.00
BRADT	5.00	40.00
ARMAZINDY	1.50	10.00

GRAFTED ROSES, $10.00 per 100, $90.00 per 1,000.

The earliest **YELLOW CHRYSANTHEMUM** Yellow Fitzwygram, $7.00 per 100, $60.00 per 1000.

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.....WORCESTER, MASS.

CARNATION CUTTINGS.

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MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	5.00	40.00
MELBA	4.00	30.00
LESLIE PAUL	4.00	30.00
GOV. GRIGGS	4.00	30.00
MRS. BRADT	4.00	35.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.50	20.00
VICTOR	2.00	15.00
WHITE CLOUD	2.50	20.00

	Per 100	Per 1000
FLORA HILL	$2.00	$15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2.00	15.00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
NIVEA	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

METEOR	$1.50 per 100
BRIDESMAID	1.50 per 100
BRIDE	1.50 per 100
PERLE	$1 50 per 100
GOLDEN GATE	2.50 per 100

☞Write for prices on large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Special prices on large lots.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Liberty! Liberty!

Own rooted stock only, for April and May delivery.

Price of plants out of 2½-inch pots, as follows:

12 PLANTS	60 cts. each
25 "	50 "
50 "	30 "
100 "	25 "
1000 "	20 "

E. G. ASMUS, West Hoboken, N. J.

Agents: Vaughan's Seed Store, Chicago, Ill. J. N. May, Summit, N. J. F. R. Pierson Co., Tarrytown, N. Y.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. ...The American Florist.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Convention Preliminaries.

The committee which the New York Florists' Club has placed in charge of the sports of the convention, wishes to hear, before March 1, from the captain of each team which intends to compete in the convention tournament. The purpose is to arrange the preliminaries. Captains should address Chas. Schenck, 38 West Twenty-eighth street, New York, N. Y.

At New York.

A tournament has been arranged to take place between the bowling teams representing the New York Florists' Club, the North Hudson County and the Flatbush Florists' Bowling Clubs. The first struggle will occur at Hiflick's Assembly Room, Paterson and Summit avenues, Hoboken, on Wednesday evening, February 7. On Monday evening, January 29, there was as large a crowd present at the Fifty-seventh street alleys as could be accommodated comfortably. Much hilarity prevailed and several samples of silver coin changed owners on individual results. The scores were as follows:

Player	1st	2d	3d	Player	1st	2d	3d
Traendly	120	119		Burus	117	123	167
Hafner	148	105		Lang	171	198	129
Manda	156	111		Roehrs	133	127	148
Siebrecht	92	130	112	Schultheis	155	152	
Steffens	111	114	117	Bunyard	114	149	76
Brown	139	121	199	Taylor	85	88	92
Shaw	85	108		Elliott	133	114	
Donlan			145	Stewart		125	102

FOR 1900. FOR 1900.

HIBISCUS PEACHBLOW.

This is one of the finest plant novelties offered in recent years. The flowers are double and from 4 to 5 inches in diameter. Color a clear, rich pink with a small, deep crimson center, an entirely new and most beautiful shade. 2½-inch pot plants, per dozen, $1.50; per 100, $10.00. March.

AGERATUM STELLA GURNEY.

The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.

VAUGHAN'S SEED STORE, CHICAGO. NEW YORK.

Grandest Geranium Under the Sun, **AMERICA,**

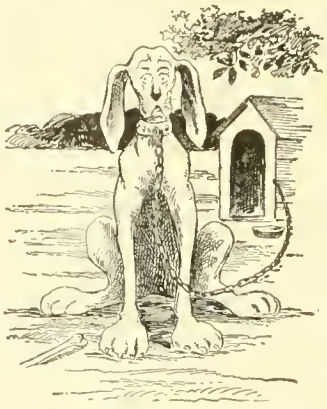
flowers large, opening white, changing through all salmon and rose shades into deep, clear rose color. Habit very dwarf; the most floriferous Geranium of the day—50c. each, $5.00 per doz.

Geranium Mars, 2¼-in. pots, $5.00 per 100.

CASH PLEASE.

HENRY EICHHOLZ, - Waynesboro, Pa.

Please mention the American Florist when writing.



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To the fact that the following seed germinates 90%

Lobelia — Crystal Palace, t. pkt., 25c.

Asters — Queen of Market, t. pkt., 15c.

Alyssum — Little Gem, t. pkt., 10c.

Petunia — Blotched & Striped, t. pkt., 25c.

Salvia — Salvia Splendens, t. pkt., 25c.

Stocks — Cut and Come Again, t. p 50c.

Wholesale List Now Ready. Write for It.

WM. ELLIOTT & SONS, 54 & 56 Dey St., **NEW YORK**

THAT

Discriminating local buyers come to us first when they want something extra good—out of season or just coming in—is an accepted fact.

We want all you out of town people to know that we can do just as well by you also.

While we make select, ordinary and choice fancy CARNATIONS A SPECIALTY, our roses and other stocks are invariably good and ALWAYS SECOND TO NONE on this market.

All Stock at Market Rates!

WHOLESALE CUT FLOWERS.

E. C. AMLING,

32-34-36 Randolph St.,

W. S. HEFFRON, MGR. **...CHICAGO, ILL.**

We are sole Chicago agents for E. G. Hill & Co's. choice flowers.
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WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY 30-36 in. stem	per doz.	$7.00	
24 "	"	5.00	
20 "	"	3.50	
15 "	"	2.50	
12 "	"	1.50	
8 "	"	1.00	
METEOR	per 100	$5.00 to 10.00	
BRIDESMAID	"	6.00 to 8.00	
BRIDE	"	6.00 to 8.00	
PERLE	"	4.00 to 6.00	
CARNATIONS	"	2.00 to 3.00	
" Faucy	"	4.00	

Quotations subject to change without notice. All other stock at lowest market prices.

WE ARE HEADQUARTERS for all the best Novelties of the season in

Chrysanthemums, Carnations and Geraniums.

NATHAN SMITH & SON, Adrian, Mich.

CATALOGUE FREE ON APPLICATION.

CYCLAMEN PERSICUM GIGANTEUM,

In the various colors and shades. Plants are in healthy condition, $5.00 per 100; $40.00 per 1000.

Money Order Office Chestnut Hill, Phila.

EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA.

Chinese Azalea.

Azaleas.... for Easter

Although our stock of Azaleas this season is larger than ever, we strongly recommend early orders. Many of our customers were disappointed last year in not being able to procure stock several weeks before Easter, and we have taken more than ordinary precautions to prevent a repetition of this the coming season, but all indications are that the demand this year will be greater than ever, besides this the plants can be transported with so much greater satisfaction while they are still in a semi-dormant condition, that this point alone should be sufficient to induce early orders, for no matter how carefully packed, the plants are certain to receive some check when turned out of pots after the buds have developed, and we assume no responsibility for injuries arising from late shipments.

We can still supply full assortments in the following sizes:

	In. diam.	Per doz.	Per 100.
5-in. pots, nice bushy crowns,	10 to 12	$5.00	$40.00
5 and 6 " " "	12 " 14	6.00	50.00
6 and 7 " " "	13 " 15	9.00	70.00
7 " " "	15 " 17	12.00	100.00

Also a grand lot of specimen plants of Mad. Van der Cruysen of exceptionally good value at $1.50, $2.00, $2.50, $3.00 and $5.00 each.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PENN.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Gov. Griggs	2.00	15.00
Hector	3.00	25.00
Albertini	1.50	12.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15.00
Daybreak, lt. pink	$1.25	$10.00
Painted Lady, cerise	1.50	12.00
White.		
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

ROSES.	100	1000
American Beauties	$3.00	$25.00
Brides	1.20	12.50
Maids	1.50	12.50
Meteors	1.50	12.50

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	75.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75.00

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Jubilee	2.00	15.00
Bon Ton	2.00	15.00
Crimson.		
Gen. Maceo	$6.00	$50.00
Gen. Gomez	6.00	50.00
Evanston	2.00	15.00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10.00
Eldorado	2.00	15.00
Sandusky	3.00	25.00
Yellow.		
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00
Carmine.		
Argyle	$1.50	$12.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

TO CLOSE OUT for a shift.

for want of room, the following plants, ready

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8.00	
1000	" "	2-in.	5.00	45.00
5000	Pteris Tremula	"	2.50	20.00
2000	" Ensifolia	"	2.50	20.00
2000	" Serrulata Max	"	"	"
3000	" Longifolia	"	"	"
2000	" Serrulata	"	"	"
2000	" " Compacta Nana"		3.00	25.00
1000	" Ouvrardii	"	2.50	20.00
1500	Nephrolepis Bostoniensis	2½-in.	5.00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

Please mention the American Florist when writing.

FINE STOCK. **PANSIES.** AT LOW PRICES.

....THE JENNINGS STRAIN....

200,000 fine, stocky plants in cold frames. Large-flowering; superb colors; many are curled and fringed. 100 plants by mail, 60c.; 1000 by express, $3.50. Large plants in bud, 50c. per 100, ex. Seed of above, $1 per pkt., $5 per oz. 100 fine Pansy blooms by mail, 50c. Seed and plants can also be had in separate colors, same price.

100 choice mixed Gladioli, 50c. 100 extra large scarlet Amaryllis bulbs, $6. Medium size, $3 per 100. Samples sent for 10 cts. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the Finest Pansies.

JOSEPH HEACOCK

WYNCOTE, PA.

GROWER ...OF... **ARECA LUTESCENS, KENTIA BELMOREANA,**

—All Sizes—

Please mention the American Florist when writing.

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY,** the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
3-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa.
Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

20,000 Wm. Scott Carnation Cuttings

Must be sold to make room, at $6.00 per 1000, or 4000 for $20.00.

	Per 100	Per 1000
Mrs. Joost	$2.50	$20.00
Melba	3.00	25.00
Flora Hill, Victor, Daybreak	1.25	10.00
Mayor Pingree	1.00	7.00
Strong plants of Double Petunia in 3-inch pots	3.00	
Geraniums, mixed, 3-in. pots	3.00	

Cash with Order.

CARL E. TAUBE, Mercer Floral Co., TRENTON, N. J.

Ready to Ship.

	Pots.	Per 100
Perfection winter blooming Forget-me-not	2¼ in.	$2 00
" " " "	2½ "	2.50
Ageratum, white and blue, rooted cuttings,		.75
" " " strong transplanted plants from flats		1.00
Ageratum, white and blue	2¼ "	1.75

Cash with order please.

CHARLES S. DUTTON 85 W. 12th St., HOLLAND, MICH.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1 50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2.00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs. G. Bradt, var.	5.00	Wm. Scott, pink	1 00
Glacier, white, fine	4 00	Lizzie McGowan	1 00
Gen. Maceo, best crimson	$5.00 per 100		
Mrs. Jas. Dean, fine pink	3 00 per 100		

Nephrolepis, Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz.

Cash please. CARL HAGENBURGER, West Mentor, O.

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.

$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,

1730 W. 107th St., Station 48, CHICAGO, ILL.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.
Begonia Gloire de Lorraine
EDGAR,
Write for prices. WAVERLEY, MASS.

Please mention the American Florist when writing

Carnations, ROOTED CUTTINGS

Healthy, strong plants, Crown cool, first crop from new house.

	Per 100.	Per 1,000.
Flora Hill	$1.25	$12.00
Freedom	1.00	9.00
Daybreak	1.00	9.00
Wm. Scott, ex. good	1.00	8.00
Mrs. Fisher, ex. good and clean	90	7.00

Chrysanthemums, all the best commercial and exhibition varieties in large quantities. Write for price. Cash from unknown parties. Address

J. W. HOWARD, Russel St., Woburn, Mass.

Please mention the American Florist when writing.

.....It's a "CATBIRD"

Was the exclamation of one of the best growers in the west when he discovered this sport, four years ago. By carefully handling it, and not over-propagating it, we are now able to offer to the trade a clean, healthy stock of the best

Red Carnation

On the market, for both grower and retailer. Not quite as large as Crane or Jubilee, but an intense red, on long, stiff stems, averaging **Sixty-five Blooms** to the plant. Received honorable mention at the Carnation show in Chicago January 19. Rooted Cuttings, $2.50 per 100; 2-in. pots, $3.50 per 100.

LAKE GENEVA FLORAL CO.,
LAKE GENEVA, WIS.

Please mention the American Florist when writing.

100,000 Well-Rooted
CARNATION CUTTINGS.

Strictly first-class stock from our own greenhouses. **Wm. Scott, Edith Foster, Daybreak, Freedom, McGowan, Wellesley, Robin Hood, Zampa, Nivea, Alba Superba,** $1.00 per 100.

Mrs. Frances Joost, $2.50 per 100
Flora Hill, - - $1.50 per 100

Special prices on large lots, or orders booked now for future delivery from sand or soil.

N. F. McCARTHY & CO.,
84 Hawley Street, BOSTON, MASS.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

PERU

A New
Pure Glistening White
CARNATION

Well Tested,
Has Proved a Great
Success
Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
MRS. BRADT	4.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
PAINTED LADY	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With **18,000 stock plants** to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000.

Price list of standard vars. ready now. ALBERT M. HERR, Lancaster, Pa.

CARNATIONS.

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY.

G. H. Crane, Morning Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts.

Mrs. Geo. M. Bradt for March Delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. Dorner & Sons Co.,

LAFAYETTE, IND.

100,000 R. C--No Discount.

CARNATIONS, Ready.

	Per 100
Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10 00
Olympia, variegated	12 00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	5.00
America, scarlet	4 00
Melba, light pink	3.00
Mrs. Geo. M. Bradt, variegated	3 00
Glacier, white	3.00
Maud Adams, dark pink	3.00
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3 00
Argyle, pink	1.50
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1.00
Flora Hill, white	1.25
White Cloud, "	2 50
Mary Wood, fine white	3.00
Jubilee, scarlet	1 25
Psyche, variegated	1.00
Morello, dark scarlet	1 00
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

Carnations. ROOTED CUTTINGS

SEND FOR PRICES.

ALL THE NEW AND STANDARD VARIETIES.

Geo. Hancock & Son, Grand Haven, Mich.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,

199 Grant Ave.. JERSEY CITY, N. J

CHICAGO CARNATION CO.,

The Great and Only Carnation Specialists

CUTTINGS NOW READY.

	Per Doz.	Per 100	Per 1000.	Blooms.
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$10.00	$75.00	4c each.
Chicago, scarlet Bradt	1.50	7.50	60.00	4c "
Mrs. Lawson, cerise pink	3.00	14.00	120.00	
Olympia, variegated	2.00	12 00	100.00	
Ethel Crocker, pink	1.50	10.00	75.00	

	Per 100	Per 1000	Blooms
Frances Joost pink	$2.50	$20.00	3c each
Mrs. Jas. Dean, pink	2.50	20.00	4c "
John Young, white	2.50	20.00	4c "
White Cloud, white	4.00	30.00	4c "
Mrs Bradt, variegated	5.00	40 00	4c "
Gen. Maceo, crimson	6 00	50.00	4c "
Gen. Gomez, crimson	6.00	50.00	4c "
G. H. Crane, scarlet	6 00	50.00	4c "
Gold Nugget, yellow	2.50	20.00	4c "

	Per 100	Per 1000	Blooms
Argyle, carmine	$2.50	$20.00	4c each
Jubilee, scarlet	2.00	15.00	4c "
Armazindy, variegated	2.00	15.00	2c "
Evelina, white	2.00	15.00	2c "
New York, deep pink	2.00	15.00	2c "
Wm. Scott, pink	2.00	15.00	2c "
Victor, pink	2.00	15.00	2c "
Daybreak, light pink	2.00	15.00	2c "
Flora Hill, white	2.00	15.00	3c "

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00

	100	1000
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS 1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO VAUGHAN'S SEED STORE NEW YORK

ELM CITY

A GRAND NEW WHITE *Carnation.*

Seedling of Lizzie McGowan and Mme. Diaz Albertini in its fifth year. The flowers are large, fine shaped, and of strong fragrance. Petals are heavy, of good substance and nicely fringed. Calyx is very strong after the style of Mme. Albertini and none bursting, the stem strong, holding the flower erect. The plant is a good grower and free bloomer, not subject to stem rot or any disease. Rooted cuttings ready February 1 at

$1.50 per Doz. $10.00 per Hundred. $70.00 per Thousand.

Cash with order. We shall prepay express charges where money accompanies the order. Orders filled in rotation.

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CARNATION CUTTINGS.

All leading varieties, now ready.
Send for list.

HOLTON & HUNKEL CO., Wholesale ..Florists, Milwaukee, Wis.

HOME GROWN PALMS

		Pots	Per doz.	Per 100
Kentia Belmoreana		3-in.	$3.00	$23.00
" "		4-in.	5.00	40.00
	Size Pots.	Char. Leaves.	High.	
" "	5,	5-7	18-24,	$9-$12 $70-$90
" "	6,	7-8	20-25,	18 144
" "	7,	7-8	36-40.	30-36 240-290
Kentia Forsteriana, 3-in. $2.50 per doz.; $20 per 100				
" "	4-in. $5.00		"	$35 "
" "	5,	5-6	24-30,	$9-$12 $75-$95
" "	6,	7-8	25-30,	18 144
" "	7,	7-8	35-42,	28-30 225
" "	8-9	7-8	$3.00 to $4.00 each.	
Latania Borbonica, 2½-in.				.60 5.00
" "	3-in.			1.25 10.00
" "	4-in.			3.00 23.00
" "	5,	5-8	15-20,	5.00 40.00
" "	6,	6-8	16-24,	8.50 65.00
" "	7,	6-8	18-24,	12.00 90.00
" "	8,	7-8	28-34,	22.00 175.00
" "	9,	7-9	28-36,	34 00 272.00

Ficus Elastica, 5-inch, doz. $5.00; 6-in. $8.00 doz. Livistona Rotundifolia, 7-in., 12-14 leaves, $2.50 to $3.00 each. Pandanus Veitchii, 4-in. to 14-in., 50c to $10 each. Boston Ferns, 5c to $2.00 each. Cycas, Dracænas, Asparagus, etc., in large variety. We have over 150,000 Tropical Plants. Terms cash, but inspection allowed at express office.

ALBERT FUCHS,
2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN.

Orders booked for small plants for April delivery, at $5 per 100; $40 per 1000.

A few of the larger sizes on hand for immediate delivery.

EDWIN LONSDALE,
P. O. Address for the time being:

Money Order office same as heretofore, Chestnut Hill (Sta. H.) Phila., Pa. WYNDMOOR, Montgomery Co., PA.

Pteris Deweyana.

A most desirable new fern, now offered for the first time by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds, erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts; hard, and grows very freely from spores.

12 Fine Plants, 3 inch pots ..... $ 3.00
100 " " " " 20.00
12 Good Plants, 2 inch pots 2.00
100 " " " " 15.00
Six latter mailed, $1. With balls of roots undisturbed.

JOHN H. LEY,
COOD HOPE. WASHINGTON, D. C.

CINERARIAS!

FOR EASTER FLOWERING.

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. Fine, stocky plants—2¼ in., $2.00 per 100; $5.00 per 300; 3-in., $3.00 per 100.

SHELLROAD GREENHOUSE CO.,
....Grange P. O., Baltimore, Md.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

CHOICE GALAX, Green and Bronze, 50 cents per 1000.
CHOICE LEUCOTHOE, Bronze and Green, $1.75 per 1000. Orders from cold storage. Cash with order or satisfactory references.
W. H. Williams Bro., Victoria, Macon Co., N. C.

VERBENAS.

The finest in the land $2.50 per 100; $20.00 per 1000. Rooted cuttings, $1.00 per 100; $6.00 per 1000.

LATANIA BORBONICA.

3-inch ..... $ 8.00 per 100
4-inch ..... 18.00 "
5-inch ..... 4.50 per doz.
6-inch ..... 8.50 "

CHRYSANTHEMUMS, Pot Plants.

Col. Smith, E. Dailledouze, Frank Hardy, Evangeline, Glory of Pacific, Golden Wedding, Golden Trophy, Helen Blood-good, Ivory, Jennie Falconer, Louis Boehmer, Mrs. Murdoch, Major Bonnaffon, Modesto, Marion Henderson, Mrs. W. H. Robinson, Marquis de Montmort, Mrs. C. H. Pierce, Mrs. Martin Ryerson, Niveus, Queen, Sunrise, Snow Queen, Viviand Morel, W. H. Hallock, Wm. Simpson, W. H. Lincoln, Wm. H. Chadwick, Western King, Yellow Fellow, Yellow Queen, $3.00 per 100.

CARNATIONS, Rooted Cuttings.

Scott, Pearson, McGowan, Helen Keller, Ivory, $1.50 per 100. Mayor Pingree, Flora Hill, Daybreak, Mrs. Chas. Duhme, $2.00 per 100.

PETUNIAS.

Dreer's Set ..... $4.00 per 100
Double White ..... 4.00 per 100

CINERARIAS

$3.00 per 100.

3-inch ..... $ 5.00 per 100
4 inch ..... 10.00 per 100

HELIOTROPE.

Czar, Czarina and five other fine sorts, $3.00 per 100.

OLEANDERS.

Very fine Double Pink and Double White, $6 00 per 100.

Alyssum, 3 varieties, $3.00 per 100
Ageratum Copes Pet $3.00 per 100
Ampelopsis Veitchii $4.00 per 100
Abutilon, Souv. de Bonn and Boule de Niege $4.00 per 100
Alternanthera, two varieties, $20.00 per 1000; $2.50 per 100.
Cuphea, $3.00 per 100.
Cyclamen, 4-inch, $2.00 per doz.
" 5-inch, $4.00 per doz.
Dracæna Indivisa, 5-in., $5.00 per dozen. Per 100
Fuchsias $3.00
Feverefw, Little Gem 3.00
Heliotrope 3.00
Hydrangea Hortensia 4 00
Ivies, English 4.00
Lopezia Rosea 4.00
Libonia Penrhosiensis 3.00
Manettia Vine 4.00
Lantanas 3.00
Lemon Verbenas 4 00
Marguerites, white 3.00
" yellow 4.00
Nierembergia 3.00
Othonna 3.00

COLEUS.

$3.00 per 100; $25.00 per 1000.

Rooted cuttings, $1.00 per 100; $7.50 per 1000. Per 100
Salvias, scarlet $3.00
Vincas, 2 varieties 3.00
" 2 " 4-inch 15.00
Santolina Incana 3.00
Pelargoniums, mixed 4.00

GERANIUMS.

Mt. of Snow, Happy Thought 4.00
Mrs. Parker 6.00
Mrs. Pollock 5.00
Mme. Salleroi, Rose, Ivy Leaf, Souv. de Chas. Turner 3.00
S. A. Nutt, Master Christine, Queen of the West, Queen of Belgians, etc., all colors 3.00
J. Riccard, Athlete, Beaute de Poitevine, Pres. Leon Picas, E. G. Hill, J. J. Harrison 4.00

ROSES.

Brides, Bridesmaid 3.00
" " 3-in., strong 5.00
Hermosa and Soupert 4.00
Monthly in variety 3.00
H. P.s, such as Jacq, Densmore, Paul Neron 5.00
H. P.s, our choice of vars. 4.00

W. L. SMITH, Wholesale Florist,
AURORA, ILL.

Dormant Roses

For Potting Up Now, For Easter Flowering.

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes | Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes | 100, 20.00
2 year old Budded stock, 3 ft. canes ..... Doz., $2.00 100, $15.00

American Beauty 2 year budded 100, $15.00
Kaiserin A. Victoria, 2 year budded .... " 15.00
Mad. Caroline Testout, 2 year budded. . " 15.00

Hermosa, extra strong Holland grown 2 year Own roots 100, $13.00
Hermosa, Own roots French grown ..... " 8.00
Clothilde Soupert, 2 year field grown ... " 10.00

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jack. — John Hopper. — Baron Bonstettin. — Paul Neyron.
Coquette des Alps. — Mad. G. Luizet. — Anna de Diesbach. — Magna Charta.
Ulrich Brunner. — Prince C. de Rohan.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild. — Mad. G. Luizet. — Malmaison. — La France.
Gloire Lyonnaise. — Mrs. John Laing. — Fisher Holmes. — Coquette des Alps.
Marie Bauman. — Prince C. de Rohan. — John Hopper. — Giant of Battles.
Paul Neyron. — Capt. Christy. — Mad. Chas. Wood. — Gen. Washington.
Boule de Neige. — Anna de Diesbach. — Perle des Blanches. — Mabel Morrison.
Baron Bonstettin. — Magna Charta. — Gen. Jack. — Marshall P. Wilder.
Ulrich Brunner.

RHODODENDRONS. For Easter forcing. Extra large plants 12 to 20 buds, John Walters, Kate Walters, Mad. Cravalho and Prince C. de Rohan, Each, $1.25. doz., $12.00.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

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GREENHOUSES, WESTERN SPRINGS, ILL.

ROBT. CRAIG & SON
Roses, Palms
and Novelties in Decorative Plants.
Market and 49th Street, PHILADELPHIA PA.

HEADQUARTERS FOR
Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries. DAYTON, OHIO.

PRIMROSES, from 3 and 3½-in. pots, 75c. per doz., $5.00 per 100.
ALTERNANTHERA, $4.00 per 1000.
E. I. Rawlings, Wholesale Florist, QUAKERTOWN, PA.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

PANSIES.

	Per 100
Large-flowering strain 1000, $2.50,	$ .50
OXALIS floribunda, 2-inch pots	2.50
100 each BRIDES and MAIDS, 2½-in. pots.	2.50
GERANIUMS, 16 varieties, 2½-inch pots...	3.00

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, Ohio.

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NEW FEATURES With Thousands of . . . . . CHANGES AND ADDITIONS

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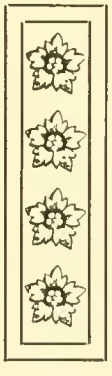

The lists of Gardeners, Horticulturists, Landscape Architects and Supply Concerns are absolutely new in this Edition, that of Gardeners alone containing over 700 names.

Price $2.00, Postpaid.

AMERICAN FLORIST CO., 324 DEARBORN STREET, CHICAGO, ILL.

Portchester, N. Y.

The monthly meeting of the Westchester County Gardeners' Association was held Saturday evening, January 27, President Shore presiding. A lively discussion, on the advisability of holding monthly exhibitions took place. It was decided to have a carnation exhibition at the next meeting and John W. Duncan, Robert Williamson and George M. Hay were appointed a committee to make arrangements and to report on the advisability of holding future exhibitions. It was decided to have discussions at each meeting on subjects pertaining to the craft. The subject for next meeting is the pruning of shrubs, to be introduced by John W. Duncan. The question, "Do grafted roses bloom more freely than those on their own roots, during December and January? brought forth an interesting discussion participated in by Messrs. Draycott, Williamson, Hay and others. The society meets again Saturday evening, February 24, at Irving Hall, Portchester, N. Y., and visitors are welcome. JOHN W. DUNCAN, Sec'y.

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."

IN 3 COLORS, PINK, WHITE, BLUE.

The strongest growers. The freest bloomers. The longest sprays. Grows and flowers best in cold house or frames. Brings double the price of any other. **Large clumps, ready to divide,** $5 per 100 or 25 for $1 50 by express. Smaller ones by mail prepaid, same price. **A few hundred EXTRA LARGE CLUMPS,** $10 per 100, $1.50 for 12.

ASPARAGUS SPRENGERI 2½-inch, fine, $4.00 per 100; 3½-inch $7.00 per 100.

A BARGAIN. Fine 6-inch pots, will give lots of green, 25 for $5.00; 12 for $2.50.

ASPARAGUS PLUMOSUS NANUS, $5.00 per 100; 25 at 100 rate.

THE LACE FERN, POLYSTICHUM PROLIFERUM.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

THE ORANGE VIOLET (Browallia Jamesoni). Fine plants 3½-inch pots $1.25 per 12, express.

THE GENUINE EDELWEISS OR SNOW FLOWER.

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow and when cut *lasts for years.* Fine as a souvenir to your customers. **10 for $1, 25 for $2, mailed free.** Send for sample flower.

A. BLANC, PHILADELPHIA, PA.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

October Potted Plants

			Per 100
10000	**Chinese Primulas,** fine	2¼-in.,	$1.00
40000	**Alternantheras,** 4 varieties	2¼-in.,	1.50
5000	**Feverfew Little Gem**	"	1.50
2000	" yellow foliage	"	1.50
10000	**Coleus,** 15 varieties, fine	"	1.50
10000	**Begonias,** 15 " "	"	1.50
2000	**Forget-Me-Not,** winter bloomer	"	1.50
2000	**Obconica,** extra strong	"	2.00
2000	" " "	3½-in.,	3.00
2000	**Iresines,** red. "	2¼-in.,	1.50
1000	**Mesembryanthemum Erectum**	"	1.50
1000	**California Moss**	"	1.50
	Clara Bedman	"	2.00

5 plants at 100 rates.

CASH. We have only what is in this ad. for sale.

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GERANIUMS. A few thousand left, in 2¼-in. pots, at $30 per 1000; $3 25 per 100: S A Nutt, LaFavorite, Richard Brett, Marguerite de Loys, Mrs. Jas. Garr, Mrs. E. G. Hill, Alphonse Ricard, Wonder, Granville, Rev. Atkinson and Rose Geranium. Also Rose Geranium cuttings at $2 per 100.

Mme. Salleroi Geraniums in soil, $1.50 per 100; $12 00 per M

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1 50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots, $1.25 100.

AGERATUM, Blue and White, 75c per 100. Princess Pauline, $1 00 per 100.

GIANT ALYSSUM, $1 00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100.

HELIOTROPE, 6 varieties, named, $1 00 per 100.

CUPHEA (Cigar Plant), $1 00 per 100.

FUCHSIAS, $1.50 per 100; 2½-in. pots, $3 00 per 100.

FEVERFEW, $1.50 per 100; $12.00 per M.

VINCAS, $1 25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M Fine plants.

The above are rooted cuttings, except when noted.

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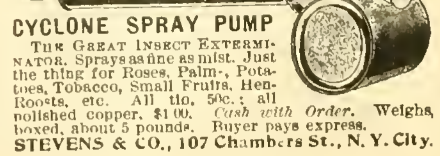

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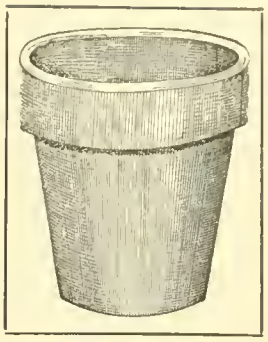

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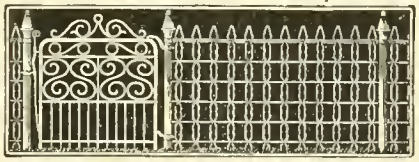

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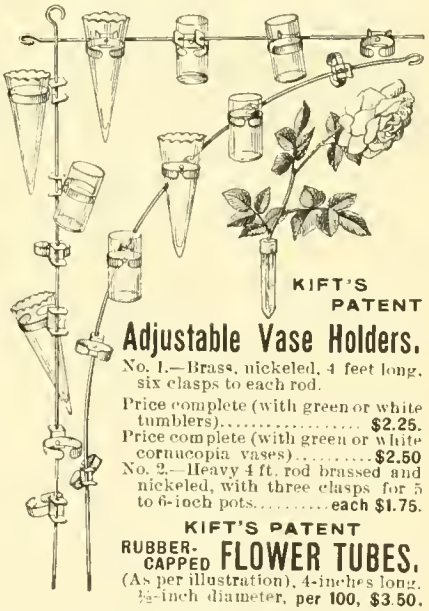

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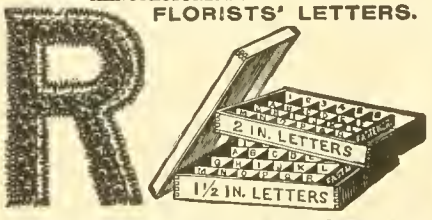

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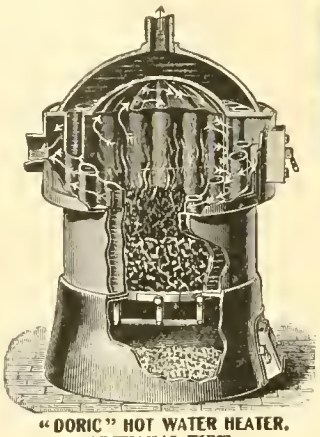

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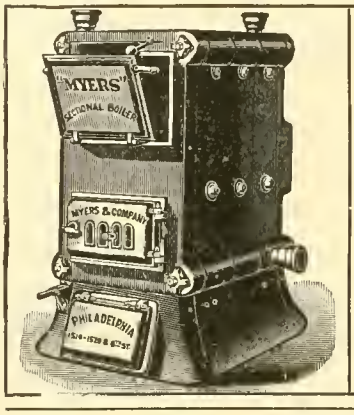

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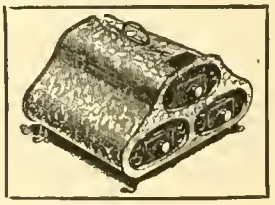

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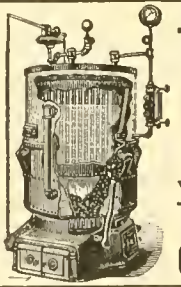

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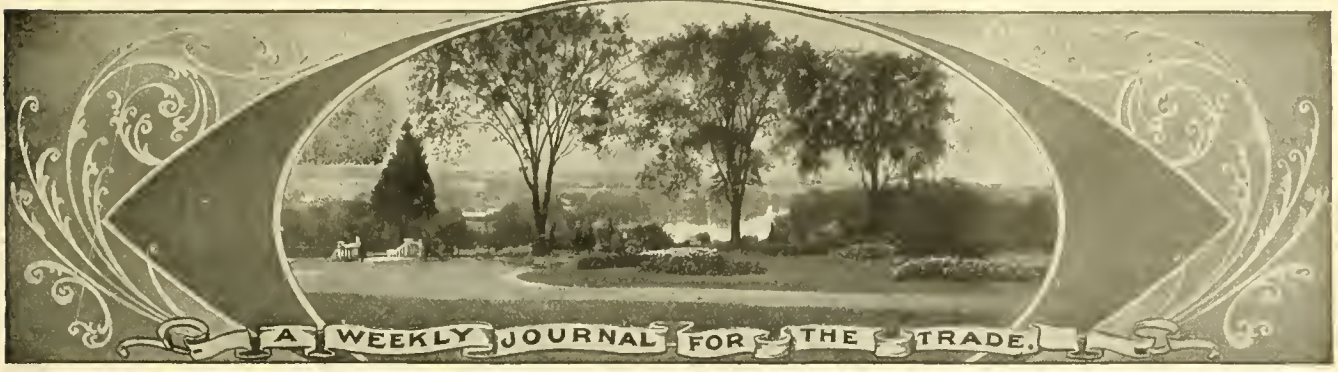

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

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Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Horticultural Reminiscences.

[Read before the New Jersey Floricultural Society, Orange, N. J., on February 7, 1900, by John N. May, Summit, N. J.]

This subject may not be very agreeable to the younger members of this association, as it will carry us back into the cloudy past. Still there are some among us whose memories will carry them back a few years; probably they may find some little interest on being reminded of the past. No man who is a man in the strict sense of the word, can help looking backward with some pleasure; memory returns to the happy past more frequently as we pass the meridian of life than many of us are ready to admit, hence my excuse for the above title.

One of the first things horticultural impressed on my memory was being put to pull the weeds (and they were very numerous, too) out from between the bricks of a paved courtyard in dry, hot weather; the hot bricks burnt my knees and the weeds would break off, leaving their roots fast wedged between the bricks; my fingers were sore, and my patience sorely tried many, very many times daily, particularly when being told that I was trying to make a good job last as long as possible. There was a certain cynical emphasis put upon these remarks which were not particularly pleasing to a boy who would very much prefer a game of leap frog, cricket, base ball or any other active sociable game to solitaire weeding. Yes, I can look back now and feel glad that I am not still weeding that courtyard, yet I am compelled to admit that the experience above has been of considerable benefit to me in many ways since. For want of better amusement one evening during the time I was so employed, I figured out what it would cost in wood and labor to heat to boiling point a given number of gallons of water, enough to kill all the weeds I could pull in one day, and found, according to my computation, that the employer could save twenty-five per cent in the cost, or by using a given amount of common salt to accomplish the same result he could save thirty per cent; after I had struggled to get this into intelligent form, which was a very difficult thing for me, as I was and always have been rather a dull boy at arithmetic, I ventured to show my figures to the foreman under whose orders I was working; he shrugged his shoulders and told me to keep my own counsel, as he did not want anything said that would tend to reduce the number of help given him, but it left an impression on my mind which the number of years elapsing since have not entirely effaced.

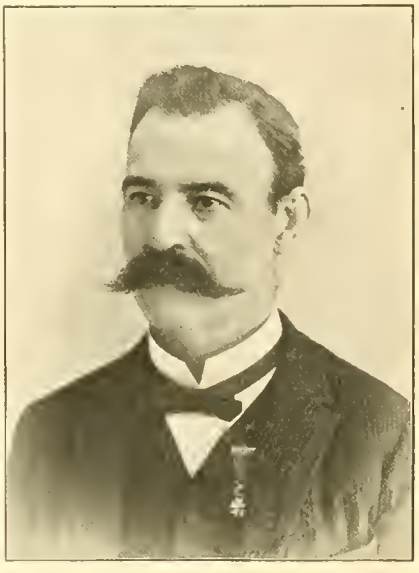
Passing on from this, my earliest experience in gardening matters, I often pause to think of some things which favorably impressed me during those years of probation. Among the first plants with which I gained some slight knowledge were achimenes, balsams, Boronia megastigma, with its slender, drooping racemes in graceful beauty; Callicarpa purpurea, with its lovely violet colored berries; Camellia Donckleari, Lady Hume's Blush, Alba Plena and many others equally beautiful; chorizema, a charmingly graceful thing; Cantua dependens, with its bright glowing pendent flowers produced in such profusion; Correa cardinalis, with its tube-like flowers, blooming for such a long period under the simplest treatment; epacrises, with erect, stately spikes of bell-shaped flowers in such varieties as acuminata, grandiflora, obtusifolia, pulchella, etc.; epiphyllums of Russellianum and truncatum types, grafted on pereskia stocks, glorious winter blooming plants; Linum arboreum and L. flavum, with their golden flowers; Erythrina crista-galli, with its brilliant scarlet flowers; Euphorbia splendens, with its bright flowers, steel gray foliage and long spines which plainly forbid any one from appropriating its charming clusters of flowers under penalty of dire punishment. Among other well remembered plants were fuchsias in great variety of form and color, and what charming plants were the pyramidal specimens, four to six feet high, covered with countless blooms, or the standards, with heads large enough for umbrellas? Then there were the mesembryanthemums, to which family our common garden weed, pursely (?), belongs, yet the genera contain many gems for greenhouse culture. Mimulus cardinalis was always interesting on account of its musk-like fragrance and beautiful flowers. Plumbago Capensis and P. rosea, one with its azure blue, the other rose-colored, afforded charming variety of color. Rondeletia cordata, R. odorata and R. racemosa are all exceedingly attractive things, with their long pendulous spikes of brilliant colored flowers, and are so easy of culture. Thyrsacanthus rutilans, of brilliant color and very free flowering; torenias, lovely dwarf bushy plants, and a host of others equally interesting and beautiful, where are they to be found now? Once in a great while I come across some poor, neglected plant of one or the other and it is like meeting a very old and dear friend who has been unfortunate through no

fault of his own. It brings back in unspoken words pleasant reminiscences of happier days for that and many other old friends.

Time and tide wait for no man, but are ever on the move, and as we moved with them we met at the various flower shows, in many of which some of the grandest of nature's floral gems figured very conspicuously, such as Acacia Drummondii, with its golden tassels and A. Riceana, another gem of this family; Allamanda grandiflora, A. nobilis, A. Schottii and others; azaleas in pyramids ten and twelve feet high and five to six feet in diameter at the base, with their thousands of blooms open in one solid sheet from top to bottom; Bignonia magnifica, with its mauve flowers shaded with crimson; calothamnuses, with grand racemes of scarlet flowers, of very easy culture in any ordinary greenhouse; Clerodendron fragrans, flowering from August to December, always beautiful; Clianthus puniceus, with its brilliant scarlet shrimp-formed flowers, and C. Dampieri, red and purple, exquisitely beautiful things; Dipladenia amabilis, D. Boliviensis and D. crassinoda, grand specimens in full flower. Probably no family possesses more floral gems than are found among the ericas; such varieties as Turnbullii andromedæflora, blanda, Bowieana, cerinthoides, Cavendishiana, Fairieana and grandiflora are perfect gems of floral beauty, as I have seen in the past; alas, they are now almost total strangers.

Eriostemons are beautiful greenhouse plants; where are they? Gesnera refulgens, bicolor, etc., with their handsome flowers and foliage are strangers to almost every one. Hoya bella, H. carnosa and H. imperialis, are most charming things, amenable to almost any kind of treatment; they can be trained to any form to suit the fancy and bloom for a long period, deliciously sweet, yet how rarely do we see them. Ixoras in such varieties as barbata, Chelsoni, coccinea superba and floribunda, with their handsome laurel-like foliage and brilliant colored trusses of flowers make the most distinct contrast imaginable; no family of stove or hot-house plants are more beautiful than are these when grown into nice specimens. Lapageria rosea, L. alba and L. superba are among the most beautiful of all greenhouse climbers which can be trained to any form; their handsome wax-like, large bell-flowers are always objects of great admiration. Luculia gratissima and L. Pinciana are two grand greenhouse shrubs with handsome large trusses of flowers. Nerium oleander and its varieties are lovely things of the easiest culture. Pimeleas of such sorts as elegans, glauca, rosea, spectabilis and hypericina are all exceedingly beautiful, lasting a long time in flower, requiring cool greenhouse culture only. Stephanotis floribunda is possibly the most beautiful white flowering climber we have. Thunbergia alata, T. grandiflora and T. coccinea are among the best of this family of fine climbers for a warm greenhouse. Veronicas formosa, glauca, cærulea, speciosa and pimeleoides are all very beautiful greenhouse shrubs, covering many shades of color from deep violet to pink; and lastly in this line comes Rhyncospermum jasminoides; what a lovely thing it is with its pure white sweet flowers! These are only a few of the old friends which we miss as we travel around. There are many, many others whose acquaintance I would very much like to renew, and I often wonder why lovers of nature's gems having greenhouses to grow plants for pleasure only, do not seek out some of these treasures. Unfortunately the majority want only the leading fashionable flowers of the day, such as can be found in any florist's store in the country, and neglect others possessing equal beauty and certainly much greater variety in color and form.

In hardy plants we miss the auriculas, a charming class of dwarf spring flowering gems, and often wonder that they cannot be found in the gardens of the wealthy, with hundreds of other equally attractive border plants. In shrubbery and lawn decoration how few have taken up the rhododendrons, Kalmia latifolia, hardy azaleas, etc. I never think of the rhododendron without associating with it some very pleasant rambles through immense avenues of these in all their glory of full bloom and infinite variety in form, color and size, yet these were growing in a climate no better suited to their wants than is ours here. Why are so few used in the large places in this country? Possibly those of you who have the best half of a life to live yet may see these and many other grand plants not mentioned above cultivated in all their perfection in this country. I hope you will.



THE LATE J. M. JORDAN.

Not only in plants and flowers do we miss old friends, but also in the cultivators of the same. We have many gaps left unfilled by the passing away of men, some in the prime of life, others just past the meridian, and some few who had ripened into grand old age, but all had spent their best energies to improve the cultivation of nature's greatest gems, the plants and flowers, in their respective spheres, and to diffuse a greater love for the beautiful among the masses throughout this broad country.

Of those who have gone, leaving only pleasant memories of their many good qualities, I was fortunate to know intimately such noble men as Patrick Barry, of Rochester, N. Y., who did so much for pomology; Wm. Bennett, of Flatbush, Long Island, whose life was devoted to growing and introducing many of the finer classes of plants and flowers; Isaac Buchanan, of New York, one of the pioneers of horticulture in this country; David Clark, of New York city, who did so much to elevate the retail florist business; H. B. Ellwanger, of Rochester, the author of the best work on the cultivation of the rose in America and a general lover of everything in the floral kingdom; W. J. Davidson, of Flatbush and Brooklyn, one of the best botanists and most genial men it was ever my privilege to know; Wm. Grey, of Albany, N. Y., who did so much for the orchid family and for entomology; Peter Henderson, of Jersey City and New York, whose writings are known all over the civilized world and whose whole life was given to advance the interest of gardeners and horticulture; M. A. Hunt, of Terre Haute, Ind., a man of sterling worth and the author of a valuable book on the cultivation of florists' flowers; Rob't J. Halliday, of Baltimore, Md., ever kind and courteous to the lover of horticulture and a warm advocate of its advancement; James Littlejohn, of Chatham, N. J., one of the first to develop the rose to its highest perfection, and many other plants, named above; F. T. McFadden, of Cincinnati, who loved plants and flowers for their intrinsic beauty; R. Maitre, of New Orleans, a great lover and all round grower of flowers; James Taplin, of South Amboy, and later Maywood, N. J., who grew and exhibited the finest plants ever shown in America; James Vick, of Rochester, who did so much to introduce the finest annuals and other plants easy to raise from seeds, and lastly William McMillan, of Buffalo and later of Newark, who did so much in landscape embellishment. Poor friend McMillan, thou wert known to many present to-night, a true horticulturist and a noble man!

These are only a few of the good men who have left us to carry on the work they so nobly started; let us try to fulfill the mission intrusted to us, and our reward will be the assurance that we are trying to elevate the human race by increasing the cultivation and love of the beautiful which nature furnishes for every one who will turn his thoughts to horticulture.

The American Rose Society.

It is to be presumed that most of the readers of the AMERICAN FLORIST know that last March an attempt was made to organize the American Rose Society. Thirty or forty interested men met and went through the form of electing officers, adopting bylaws and a constitution, and further decided that two shows should be given in 1900, one in March, the other in June. These men started this society feeling that there is a necessity for a rose society, devoted exclusively to the welfare of that flower. They further felt that they deserved the support, not nominal and subjective, but active and encouraging, of all who not only love the rose for the rose's sake, but especially of those who owe to that flower the foundation of whatever success they may have had in the florist business.

Are they warranted in going on with this enterprise? This is a question addressed directly to you as one for whom the rose has a special interest and claim. You are one who makes his living by either growing and wholesaling or by buying and retailing roses. It is no good to say that the rose is only a part of your stock. It always has been and always will be your one great standby. You have it, like the poor, always with you. No other flower is like it. The chrysanthemum is the flower of a day; it is showy but its perfume is not attract-

BALL DECORATION BY HUGH GRAHAM IN HORTICULTURAL HALL, PHILADELPHIA.

ive; it has only color, form and size. The carnation is sweet, has color and form but not size. Each has its own society, its own followers, its own advocates.

The rose has color, form, size and fragrance. It has been with us for years; the dear people buy it, want it, call for it, will have it, and it has heretofore had no adherents willing to devote time, money, energy and attention to urging its claims to improvement and advancement. (I am speaking only for America.) Are you willing this state of affairs should continue? Do you want to desert this old, tried and true friend? Are you going to sit calmly down and permit the buyers to be refused roses and be compelled to take some other flower instead, because you are too lazy, inert or careless of your own best interests to move at a critical time, to turn in and make a success of this society? I do not believe you are or can be so blind to your own advantage.

It is not the paltry sum for dues that will make a success of this society, but it is the encouragement of your names and your presence at the meetings and at the shows. If you want any one else to take an interest in your undertaking, you must show your own interest first, and this is what I want to impress upon you. You are in the florist business for success and not for amusement. You need to widen the scope of the business and do everything within your power to keep its lines from being contracted or limited. Has it ever struck you what an advantage it would be if you could double your sales of any one flower or plant? Then what greater good can you do your business than to make the rose so popular that two blooms may be sold, two plants put out where now one is?

This can only be accomplished by your individual aid, uniting all the efforts of all at interest. Get at the public by bringing to their notice that you are working, and this you can best do through the channel of the American Rose Society. I beg of you to consider your own interests. This year the society will meet in New York. It will depend upon you where it meets, if ever again. Will you let it die, or will you give it your support by your presence and by your exhibits? With you it rests and with you alone.

BENJAMIN DORRANCE.

Graham's Ball Decorations.

Hugh Graham makes a specialty of large decorations and has done some very fine work in Horticultural Hall, Philadelphia, this season. As many as twenty-five carpenters have been employed on one decoration and these, together with the electricians, upholsterers and greenhouse men, have made a small army. An immense amount of work has often to be done in a short time. As much as 2,000 strings of smilax have been used for one affair. Large quantities of palms and blooming plants are also used. Cut flowers are extensively employed in various ways, as much originality as possible being given to each affair, as nearly all the balls are held in the same building. The illustration shows but a small portion of one end and side of the hall, all of which was just as elaborately trimmed as the part shown. The raised balcony is a part of the decoration and stands about four feet above the floor of the hall. The entire ceiling was canopied with smilax as partially shown. The ball room is about 75x125 feet. K.

Helpful Reminders.

By making some careful calculation on our needs for the next five months we find that to properly care for such stock as we now have in process of development, with its gradual increase in size and the number of additions which will be desirable as springtime business approaches, we will be short of room. We will then advocate expansion; perhaps some of you built an addition to your plant since last spring with the firm belief that you would not be cramped for room this season, but if you possess the ordinary instinct of the progressive florist your houses are all well filled now and you are facing the problem of a year ago; but do not let that worry you. A greenhouse well built is too expensive for simply caring for the spring overflow; you did well to fill it. You should have a yard convenient to your potting shed, well sheltered from the cold wind, a hedge of Norway spruce being good in the country or in city property or for immediate use, a tight board fence twelve feet high. Within this enclosure arrange a set of cold frames on which will fit the 4-foot square sash; have them all a trifle highest at the end farthest from your boiler room; place in each a flow and return water pipe (1-inch gas pipe is sufficient) and connect with your boiler, or what is

better, have a small boiler or water heater separate. These frames, of course, in length and number depend on size of your business. This sort of arrangement is not expensive; it can be put in now before you are very busy. As soon as the spring rush is over the whole outfit can be taken apart and packed away ready for another season; the sashes can be used on north slopes of your greenhouses for additional protection in November, December, January and February, until you are ready to fill up frames again. Such an outfit is not attended with the large amount of labor and uncertainty that pertain to hotbeds, except in forcing plants like tuberoses and caladiums; they are far better for young plants of chrysanthemums, stevia, geranium, seedlings of various kinds, carnations, verbenas, etc. C. B. W.

St. Valentine's Day in the East.

Valentine's Day in Boston has always been a busy and profitable occasion for the florist. February 13 and 14 are equally busy with the wholesalers, the out of town trade buying briskly on the earlier date for demands of the 14th. Small flowers sell best, violets leading everything else, but the demand really covers everything in the flower line and applies to all grades of the business. Flowers for Valentine gifts are sent almost invariably in boxes, a fancy card or valentine being laid on top of the flowers, and there is little or nothing done in the way of special design work or decoration. Last year was a most unfortunate one for the Valentine trade as the big blizzard struck in the day before and, everything being blocked, people who wanted violets had to go without and the dealers missed the benefit of the much-needed business in the worst coal-eating season they had seen for many a year. All are hoping for better luck this time. With good weather and modest prices the violet market ought to round-up in good shape and show a surplus sufficient to build a couple more greenhouses.

Valentine's Day in New York means little more to the florist than a moderately increased call for boxes of cut flowers and a few dinner parties. There was a time, years ago, when such sentimental devices as lover's knots, interlocking hearts, Cupid's darts, etc., were quite generally ordered for the observance of this occasion. Valentine's Day gifts and table decorations were alike built on these suggestive lines, but all that is entirely out of date now with New York florists and their customers, and only the old stagers are able to tell of its rise and fall. The made-up Valentine design has gone the way of the made-up Christmas piece and the ingenious "floral artist" of those days is no more a factor in metropolitan flower work than are the antiquated toothpick and wire, which were the most indispensable implements of his profession.

In adorning a room or table for a Valentine celebration refined taste is, as always, the main requisite in the decorator, whose eye will tell him at once what may or may not be used with good effect against or among the furnishings of the room. In general, however, he will be safe in avoiding as far as possible massive or gaudy display and confining his efforts to the development of sweet and dainty effects. Spring flowers are especially acceptable for the occasion. Violets meet with a largely increased call and such material as tulips, lily of the valley and daffodils share in the special demand. Forget-me-not and pansies are also peculiarly appropriate. One tasty florist has for some years followed the custom of making up a number of little open-centered violet hearts, one of which he adds gratuitously to each box of flowers exceeding a certain value which goes out of his store on Valentine's Day and the recipients appreciate it.

If anything novel for the occasion this year is contemplated by any of the florists here who make any attempt at originality, he has it snugly hidden "up his sleeve" and it will not emerge until the proper moment, but with the bountiful supply of splendid long-stemmed flowers that this market affords at the present time and the very moderate observance of the occasion there is really little to incite the exercise of one's ingenuity to any special effort.

SEATTLE, WASH.—F. Fountaine, who conducted a florists' business in Racine, Wis., for fifteen years prior to 1893, has opened a flower store at 706 Second avenue.

DELIVERY WAGON OF DANIELS & FISHER, DENVER, COL.

"Judge Not, Lest Ye Be Judged."

ED. AM. FLORIST:—I see in your issue of February 3 an article under the above head by W. N. Rudd and notice he is taking the Chicago judges' side of the controversy in giving Carnation Enquirer 100 points. I have been one of the judges in Cincinnati on the same variety. In the latter city it was given only 92¾ points and that was an average reached simply on account of one judge or it would hardly have reached 90 points. Now, if the Chicago judges were correct, I was certainly away off the mark. I simply want to state here how I came to rate it away below 100 points and at the same time I think to-day that I was right in doing so, whether or not the Chicago judges think different. My way of judging is very plain and simple. There were at the time in Cincinnati a great many novelties before the judges and the following is the modus operandi I employed in the work: Here I have Enquirer. Is it perfection in color? No; it has too much salmon to be a true pink. Is it perfection in size? No; No. 666 stands right there and is decidedly larger. Is it perfection in calyx? No; Armazindy and Mrs. Bradt have finer calyxes. Is it perfect in stem? Certainly not; Armazindy stands right there as straight as a lot of cane stakes. Is it good in substance? Yes, very fair, but not perfection. Is it good in form? Why, Indiana is there; which is better. Is it good in fragrance? Not much, or I must have a bad cold that my smeller is out of condition. Has it the full petalage? I think not; Indiana is there and is doing better. You will see from the foregoing that it would be impossible for me to give Enquirer 100 or even 90 points. I think there is nothing in the court easier for a judge than to say to a prisoner, "My man, you are innocent, you are free." But it is different to state whether such a decision is good law. THEO. BOCK.

Progress Westward.

Were evidence lacking of the remarkable strides of floriculture in the west, the illustration of the delivery wagon of Daniels & Fisher, of Denver, Colo., reproduced herewith would be amply sufficient to convince the greatest skeptic. It is not for the mere glitter of the thing that so much capital is invested in such costly vehicles. These must be a cause for their maintenance and it must be admitted that the principal purpose of a florist's delivery wagon is the delivery of floral products to customers, its value from an advertising standpoint being secondary. The Daniels & Fisher wagon is of an attractive violet shade, with gold lettering and trimmings. The oval panels of the sides show green-leaved palms on a dull white ground. The wheels are rubber tired and in cold weather warmth is imparted to the interior by means of a Lehman heater. The coachman and footman wear livery consisting of a green coat, lavender breeches, black boots with white tops and a black silk hat with lavender cockade. The entire outfit is from designs supplied by G. M. Geraghty, the enterprising manager of Daniels & Fisher's floral department.

TORONTO JUNCTION, ONT.—A. Gilchrist, who was authorized by the Deputy Minister of Agriculture to organize the Toronto Junction Horticultural Society, was rewarded by being elected honorary president of the body. W. H. Post is secretary.

CARNATIONS.

CARNATION MRS. BERTRAM LIPPINCOTT.

This new variety is now offered for the first time by Henry F. Michell, of Philadelphia. It was originated by John Kuhn, of that city, about four years ago and is said to be a cross of Daybreak and Wm. Scott. The flowers are described as a shade darker than Daybreak, three to three and one-half inches in diameter, with non-bursting calyxes, and borne on good stems, blooming freely and continuously. The illustration shown herewith is from a photograph.

CARNATION MRS. BERTRAM LIPPINCOTT.

TO GROW WITH SCOTT.

ED. AM FLORIST:—What is the best white carnation to grow with Scott? I can grow very nice Scotts, but McGowan does not do so well. I have tried Flora Hill one year but consider this hardly as good as McGowan. H. W. B.

Try John Young and White Cloud. White carnations usually can stand a little more heat and more regularity of heat than Scott requires.

CARNATIONS REGISTERED.

A. R. Walker, Flint, Mich., registers Michigan, color dark red, a seedling from McGowan, freer in bloom than Scott and blooms the whole season through from time of planting in until thrown out; stem wiry and from fifteen to twenty-four inches long; foliage dark green and healthy, the cuttings easy to root and the plants easy to lift in the fall.

J. L. Dillon, Bloomsburg, Pa., registers Queen Louise, a strong grower, no grass, every shoot producing a flower, very strong stem, an early and continuous bloomer, pure white, fragrant, does not burst and as large as Mrs. Geo. M. Bradt.

ALBERT M. HERR, Sec'y.

THE CARNATION MEETING.

What promises to be the banner meeting of the American Carnation Society will be held at Buffalo next week, Thursday and Friday, February 15 and 16. We want every one interested in carnations to try to attend this meeting. If we can get the attendance as near the 200-mark as we usually have it to the 100-mark, we can by another season easily procure from the railroads the fare and one-third usually enjoyed by societies of this kind. After the attendance from outside points is once brought up to 200 the attractiveness of the meetings and exhibitions will easily keep it up to that figure. All that is necessary to make a regular attendant of a carnationist is to get him to one of these meetings; nothing unimportant will keep him away thereafter. There is no reason why the membership of this society should not be five times its present enrollment, and all that is needed to accomplish this is the proper effort by members, each in his own locality.

Retail men and commission men are quite as much interested in the welfare of the carnation as are the growers and should be well represented at these meetings to see that their end of the business receives proper attention. The silver cup offered by the society to the storemen should bring out an exhibit worthy of the prize and Buffalo will no doubt see the beginning of new life along this line.

Any grower who has an exhibit should not be deterred from bringing or sending it, for he may rest assured that it will receive proper attention. Exhibits must be prepaid and addressed to Chas. H. Keitsch, 481 Washington street, Buffalo, N. Y.

The meetings will be held in the Genesee Hotel and the exhibition in Morgan Hall, next door. ALBERT M. HERR, Sec'y.

Credit and Collections.

I notice that the matters of credit and collections are not given the close attention in this trade which they should have and which they receive in most lines of business but I have recently been reminded that wholesalers are giving more thought to this subject and every one must have noted the increased frequency with which requests for "cash please" appear in the advertisements.

One would hardly believe that when a florist has credit he will buy almost anything reasonable which is set before him, accept the price, seldom question the quality and take liberal quantities, but just call him down and force him to pay cash and see what a different man he is; I know, for I have been wholesaling cut flowers for many years. You'll find that nothing is good enough and nothing

cheap enough and he'll only buy what he can't do without.

Now from this standpoint one would say that the commission man who has the most capital and can give the largest credits can make the best returns to his growers, but this is not always true; the returns depend on the salesman. The commission man must sell to those who pay the highest price and if the buyer has no credit he must get cash or ship C. O. D. if the stock goes out of town. But this is drifting away from the point I started out to make.

There are not a few buyers who have credit who become wrathy, almost insulted, when you ask them to pay. They do not stop to think that it is not their money you are asking for, but your own. Buyers seem to forget that the commission man must pay his growers on demand, that brokers only represent the stock on hand and that as soon as a sale is made the producer must get his money. Why in common justice should a debtor, be he either wholesaler, retailer or consumer, feel insulted at a request for payment? I have seen a deal of this lately. If you have bills that are due, think of the last time the collector called; I hope the shoe doesn't fit.

E. E. PIESER.

ROSES.

TEMPERATURE OF WATER.

ED. AM. FLORIST:—What is the best temperature of water with which to syringe roses? READER.

The best temperature of water for syringing roses is the temperature of the house at the time the plants are to be sprayed with the water, and taking the average of the temperature of a rose house in the early morning (which is the best time to syringe) at say 60°, then the water should be at 58° to 60°. In this condition it is much more congenial to the plants than when several degrees colder. On the other hand if the water is much warmer than the natural atmosphere of the house it has a tendency to make the foliage soft, which leaves it very susceptible to mildew and kindred troubles. JOHN N. MAY.

AMERICAN BEAUTY AT NATICK, MASS.

Mr. Montgomery says that American Beauty has done very well with him this season. The plants have set buds better than usual, a possible explanation of this being the bright weather that has prevailed most of the time. They are now receiving a light mulching to encourage the new growth that is starting after the cutting of the heavy Christmas crop.

All the American Beauties on this place are grown on benches this year. They are also all grafted stock and a portion of them are two years old. Benches are preferred because the plants are more easily handled and are not so liable to produce the enormously thick canes with flat headed buds that come from plants in deep beds. Second year plants are especially satisfactory in their behavior this year, setting bud much better than the one-year stock. Before transplanting last summer, these roses were allowed to dry down and given a week or two of rest and the canes were cut back to within eight inches of the bed.

Mr. Montgomery's experience is that grafted stock is less liable to run to blind wood than is the case with own-root plants. His theory, however, is that much of the blind-wood trouble can be avoided by careful selection of the cuttings, propagating only from plants that flower evenly and rejecting the long twenty-foot canes which are likely to produce plants of like character. When such growths are made the only resort is to keep the beds on the dry side, with an abundance of air, for a period, and bend the canes a little so as to check the flow of sap. The plan of cooling down sufficiently to stop the growth and then starting them on again after a rest, which worked successfully with Mr. Asmus last season, has been tried here but the results were not satisfactory.

One of Weathered's new No. 12 sectional boilers is just being set up and great efficiency is expected of it.

The Fruit and Flower Men.

Each one of us would like to be
A horticulturist,
If we could get the fruits we want
In seasons when they're missed.
Big strawberries we then would have,
And feast on them all year,
As well as all the other fruits
That often are so dear.

And each of us would like to be
A floriculturist,
If we could get the flowers we love
By turning of the wrist.
The choicest roses we would have,
And cull them every day,
As well as all the other blooms
That now so soon decay.

But as we find we cannot be
Exactly what we would,
And, furthermore, as it's too late
To change so if we could,
The next best thing that we can do
Is just to cultivate
A friendship with these men and hope
That they'll reciprocate.

So to the horticulturists
Now in convention here,
And to the noted florists who
As delegates appear,
The warmest greetings we extend,
And earnestly we call
On loyal citizens to give
Fond welcome to them all.

And as their stay is limited—
They'll just remain two days—
Let all who have the time turn out,
And at them throw bouquets.
Let every man who yearly digs
A garden in his lot
Contribute, if he can't give more,
A sweet forget-me-not.

Perhaps from seeds thus freely sown
A harvest we shall reap
In friendship which will show itself
In prices that are cheap.
But, whether this be so or not,
We now join in salutes
To those who cheer their fellowmen
With flowers and with fruits.

—*Pittsburg Chronicle-Telegraph.*

New York.

BUSINESS BRISK.—SHORT SUPPLY OF STOCK.—PRICES STIFFEN.—HORTICULTURISTS MEET.—EXHIBITION AT AMERICAN INSTITUTE.—DEATH OF JAMES NEAL.—JOTTINGS HERE AND THERE.

A very refreshing activity that reminds one forcibly of the good old times, pervades the wholesale districts. Considering that we are now right in the middle of the flower-buying season, the volume of business done is, however, far short of what it might be without being notably extravagant and the exact reason for this is not apparent. The activity now noted is undoubtedly due more to the decreased production than to extraordinary demand and is likely to continue at the present rate until the houses are in bearing once more.

Roses are, naturally enough, in this emergency graded considerably higher than at seasons of normal supply and values are well stiffened up. It is noticeable that the medium grades are snapped up with more eagerness than the fancy stock and it is not an infrequent occurrence to see buyers chasing around for four or five-dollar stock in Brides and Bridesmaids when the wholesalers have nothing to offer except the twelve or fifteen-dollar kind. Beauties are very much off crop. All sizes are advanced fully fifty per cent in quotations and they sell at sight instead of loafing around as they did not long since.

Carnations are up somewhat, in sympathy with the roses, but seem to be coming in in sufficient quantity for daily calls. There are signs that the trouble on violets is over, at least until after Valentine's Day as the growers are now holding back a little for that event and the surplus is not so unmanageable. Cattleyas are selling well, lilacs have improved also and with the slacking up on bulbous flowers of the smaller kinds comes a trifling advance in rates.

The fourth annual meeting of the Eastern New York Horticultural Society, opening on Wednesday of this week, was largely attended by fruit growers and others. There were numerous interesting papers and discussions. The American Institute exhibition, in connection with the horticultural society's meeting, brought out a fine display of orchids from Lager & Hurrell, carnations from C. G. Hayden and George M. Hay, violets from Thomas Talbot, J. W. Feeter and others, Liberty roses from E. G. Asmus, and other good exhibits.

James B. Neal (Neal, The Florist) put an end to his earthly career by drinking a quantity of carbolic acid on Monday, in Central Park, Washington, Chicago and San Francisco papers "please copy."

Thos. H. Davis, associated with H. A. Bunyard in business, is sick with typhoid fever at the Presbyterian Hospital.

Thos. Young, Jr., is receiving a fine lot of gardenias daily. Philadelphia, Chicago and other suburbs get a few of them.

The annual ball of the Monmouth County, N. J., Horticultural Society will be held on February 22.

J. M. Keller is supplying the stores with some very finely grown plants of Bougainvillea Sanderiana.

Alex. S. Burns has purchased three acres of land at Spring Valley, including five greenhouses filled with carnations, violets and mignonette.

Philadelphia.

MONTHLY MEETING OF THE CLUB.—AN ESSAY ON ROSE PROSPECTS AND POSSIBILITIES.—AN INTERESTING DISCUSSION.—VIEWS OF VARIOUS GROWERS.—RETAILERS TAKE ISSUE.—REASONS FOR SHORT LIST OF ROSES.—STATE OF THE MARKET.

The February meeting of the Florists' Club was very interesting and lively to a degree. There are times when from the rap of President Harris' gavel to the monotonous "move we adjourn" of one of the tired ones in front, there is scarcely excitement worth the car fare. This Tuesday evening, however, it was different. Mr. May's paper on "What has the Twentieth Century in Store for the Queen of Flowers?" proved to be a song of the thistle and the rose, with the emphasis on the rose. The essay was excellent but we forbear discussion, as it is to be published broadcast, in the hope that it will be read by every retail florist in the land and educate him up to the growers' idea of the possibilities there are in retailing roses. The discussion which followed brought out some interesting points. The fact that there are

but four standard varieties of fancy roses, Beauty, Bride, Bridesmaid and Meteor, seemed to be acknowledged by both growers and retailers, but the reason that the many other excellent and beautiful kinds introduced from time to time and meeting with more or less favor were not added to the regular list, was a matter of opinion, the growers laying the blame on the retail dealers, which these gentlemen indignantly disputed. Mr. May was of the opinion, referring to the New York storekeepers, that they were opposed to new roses because each new applicant for favor means another twenty-five roses to be carried in stock, in addition to the twenty-five each of the standard sorts that the average dealer starts the day with. They discourage every attempt to introduce new varieties and put off customers who desire them in various ways. Edwin Lonsdale said he thought Mr. May was right; the fault lay with the dealer, who would not pay for new things anything like their value, which so discourages growers that they are afraid to venture out of the beaten path.

Mr. Durlee, of Washington, has solved the question to his own satisfaction. He does not grow Bridesmaids or Brides. Mme. Chatenay and Golden Gate are, he finds, much more profitable; they produce very many more flowers to the square foot of table space than do the old sorts and the demand in the store is at nearly all times greater than he can supply. He said the way to solve the problem in Philadelphia is for three or four of the large growers to get together and fill their houses with these and choice sorts other than Bride and Bridesmaid, then get a large store and knock "splithereens" out of the retailers, as there was no question but that the general public would flock to them. He spoke very highly of Ivory, the white sport from Golden Gate. He also said that Golden Gate should be left on the plants a little longer than the other teas and the buds would grow to a much larger size and still last a long time when cut.

John Burton said he thought things had come to a dreadful state when people measure their roses by the yard and the chief qualification is size. Has the American public so degenerated in its tastes that they can find no beauty in a flower unless it is as large as a cabbage? He believed not, he thought there were many beautiful roses that they would prefer if they could only see them. The list should be greatly enlarged. Where is the Perle? It is a beautiful rose and yet it is not to be found. What is the matter? There is certainly a screw loose somewhere.

Robert Craig said over-production was the main trouble. Prices on the standard roses are so low that new applicants for public favor have a hard time of it; the dealers will not pay more than prevailing prices and as many beautiful new roses prove not as profitable to grow as the older kinds, they are dropped. He used to sell 40,000 young Perle roses each season when the rose was in the race, but now there is no demand at all. Mr. Heacock said there is only one rose and that is the Beauty. He grows the four standards but will likely drop one of these next season and grow more Beauties because the business with him is not sentiment; he is after what gives most returns and finds them in the Beauty.

Mr. Cartledge said the lack of variety in roses is no fault of the retailers, for they are always willing to pay for good stock of any kind and would be glad to see the rose list considerably extended. Novelty is what is wanted and people are always willing to pay for a good thing. Robt. Kift also spoke in the same strain. He said that if the retailer wants to get anything out of the ordinary he has to hire a grower to grow it for him and guarantee him as much money out of the space occupied as he could get from his best crop. There was not a word said about carnations, which now bring prices unthought of years ago, while rose prices are declining. The speaker asked Mr. May why the Perle and other old time favorites had dropped out and he could give no certain reason. The discussion was much enjoyed and, while there was nothing approaching a solution of the problem, no doubt some seed was sown that will grow and blossom in the future.

A number of gentlemen were elected to membership, among them David Scott, of Buffalo. David is all right and we are glad to extend the hand of fellowship to him. "The Begonia as a Commercial Plant," by Edwin Lonsdale, is to be the March essay.

Business is still quiet. There are plenty of flowers for the demand, all lines seeming full and some running over. The four-foot Beauty is having quite a time to get along nowadays. It would seem as if the public are getting tired of these ulster stemmed roses. They are all very well for extra occasions and for the swain who wants the very best, but the every-day buyer or the regular run of trade seems to be satisfied with thirty to thirty-six inch stems. Growers will please take notice and "educate" themselves to the changed situation and drift of the demand. Prices are about the same as last week, a little weaker if anything. K.

Boston.

ROSE CUT AT LOWEST EBB.—STOCKS CLEANED OUT.—DEMAND NOT HEAVY.—SUPPLY IN OTHER LINES.—PRIZE DAY AT HORTICULTURAL HALL.—FINE EXHIBITS.—MONEY IN THE SOCIETY'S TREASURY.—A LECTURE.—MARKET GARDENERS MEET AT WAVERLEY.—VARIOUS ITEMS AND VISITORS.

Receipts of roses have been cut down to the lowest notch during the past week. All varieties are decidedly off crop. A small box suffices to hold the day's cut from some quite pretentious establishments and the wholesalers' ice chests that have not been emptied before for weeks are as bare as Mother Hubbard's cupboard. It is generally accepted that if the cut flower demand was as brisk as it should be to average well with past seasons there would be plenty of fun with rose prices just now, but business lacks the activity which belongs to it at the height of the mid-winter season and there is an unaccountable dullness all along the line. Carnations are not so scarce as are roses, there being just about enough for the legitimate call. Violets are over abundant and prices below the average. Bulbous stock is in full supply, narcissi and tulips improving in quality daily and lily of the valley much better than it was but selling cheap. The stores are well supplied with the little odds and ends that are always so popular with the Boston buyers, such as marguerites, yellow primroses, corn flowers, coreopsis and pansies. A little acacia is seen occasionally. Callas are very plentiful with prices low. The market seems oversupplied with azalea plants of rather inferior quality. Weather fairly cold but not a scrap of snow.

Saturday, February 3, being the regular prize day of the Massachusetts Horticultural Society, brought out a superb exhibition of orchid blooms. First premium was won by E. O. Orpet, with a very extensive collection of cattleyas, odontoglossums, cypripediums, lælias and cœlogynes, and second by J. E. Rothwell, with an equally fine lot, but of lesser extent, including some of the best phalænopsis spikes ever shown here. James Brydon brought a stunning plant of Cattleya Trianæ bearing twenty-five flowers. There was a large display of carnations, including most of the later novelties, from M. A. Patten, also collections of violets of a much finer grade than generally seen here, from Norris F. Comley, James Comley and Alex. McKay, N. F. Comley taking first prize. Primroses from W. E. Coburn, orchids from H. A. Wheeler, camellias from James Comley, narcissi from James Anderson, acacia from J. L. Bird, cut flowers from Mrs. Gill and primula plants from Mrs. J. L. Gardner were among the other attractions and the vegetable forcers exhibited high skill in contributions of tomatoes, radishes and other appetizing things.

The annual report of the treasurer of the Massachusetts Horticultural Society, which was presented at the monthly meeting on Saturday, February 3, showed a surplus of $434,631. There are 650 life members and 199 annual members. Eight new members were admitted at this meeting.

A very interesting lecture was given by Miss Mira L. Dock, of Harrisburg, Pa., in Horticultural Hall on January 27, her subject being the "Procession of Flowers in Pennsylvania." Numerous beautiful stereoptican illustrations were made use of and the various pictures excellently described by the lecturer to the large audience.

E. F. Atkins has established a new fellowship of $1500 at Harvard University to further the study of certain unfamiliar plants that may become useful in commerce. Research work in the East Indies is now under way.

The Market Gardeners' Association held its last regular meeting at the greenhouses of E. N. Pierce at Waverley. The care, construction and heating of greenhouses was the subject for discussion and Mr. Pierce's establishment served as an object lesson. A nice collation was served.

John D. Twombly is just recovering from a severe case of appendicitis which has confined him to his bed for six weeks.

Mrs. Rogers, who recently vacated a store on Washington street is about to open a fine place on Summer street, near the new Terminal Station.

Visitors: Winfried Rolker, J. W. Withers and Chas. Schwake, New York; E. O. Orpet, South Lancaster and Geo. McWilliam, Whitinsville, Mass.

Pittsburg.

STATE OF TRADE.—ROSES SCARCE AND HIGH.—POOR LILAC AND HARRISII.—LOSSES BY FIRE.—OTHER NOTES.

There has been a slight improvement in business the past week. In roses Bride and Bridesmaid are becoming scarce and range in price up to $15 per hundred. There is only a fair demand for American Beauty. Carnations are a little more plentiful, but the finer grades clean up pretty well. Bulbous stock becomes more plentiful daily, but prices are well sustained. Lilac is not good, but

Harrisii have improved somewhat; they are badly diseased, but bring as high as $25 per hundred.

Wm. Erminhouse, 2903 Perrysville avenue, suffered a loss of about $3,000 through fire in his greenhouse last week. Thos. McGowen, of East End avenue, also suffered by fire during our cold snap last week. W. A. Herbert, of Wellsville, Ohio, had considerable bedding stock destroyed by frost.

Oswald Ferguson, son of J. B. Ferguson, has gone on a trip to Philadelphia and the suppositions are that he will return with a bride.

The death of Fred Beckert, son of E. H. Beckert, occurred last week.

GEO. OESTERLE.

Chicago.

BUSINESS GOOD DESPITE UNFAVORABLE WEATHER.—SHIPPING ORDERS HEAVY.—SCHILLER INVALIDED AND WILL DISPOSE OF GREENHOUSES.—MONINGER'S RECORD FOR LAST YEAR.—CLUB MEETING.—THE CARNATION PARTY.—KLEHMS FORCING THEIR OWN VALLEY PIPS.—CYCLAMENS FROM CINCINNATI.—VARIOUS JOTTINGS OF INTEREST.—VISITORS.

Trade has been lively this week and the scarcity of stock has not been much less pronounced than last week, although rose cuts have increased somewhat and prices have eased off a little. There are a great many carnations on the market, some of them very good, and they nearly all move promptly. Violets have been in better favor with warmer weather and bulbous stock, which is both good and plentiful, goes better, nearly all the retailers using this class of material for their show windows. Shipping trade is heavy.

Herman Schiller is suffering from the effects of an accident on January 16, when his wagon was struck by an electric car. Mr. Schiller was thrown against a telegraph pole but retained possession of the reins and was dragged two-thirds of a block before his horse could be stopped. He has not been himself since and has moved to town from Niles Center. Because of his physical incapacity to look after the big greenhouses Mr. Schiller has determined to sacrifice the establishment to get it off his hands, but he will, in the event of his selling the greenhouses, continue to run his three retail stores on the west side.

To give an idea of the extent of greenhouse building last year it is stated that the John C. Moninger Co., Chicago, supplied the material for entirely new structures which, placed end to end, would make a continuous house 47,000 feet long and that this house would cover an area slightly in excess of 970,000 square feet. The Moninger Company expects to do even more than that amount of building this year.

The Florists' Club at its last meeting elected seven new members, transacted routine business and listened to several of the gentlemen who are oratorically inclined. At the next session there will be a discussion as to the advisability of inviting the S. A. F. to meet here next year.

Chicago will probably be represented at the Buffalo carnation meeting next week by W. N. Rudd, Peter Reinberg, Henry Wietor, Jas. Hartshorne, J. D. Thompson and O. P. Bassett. The party expects to leave on the Wabash at 3:15 Wednesday afternoon.

Herman Holtz, of Hammond, Ind., has purchased one-half the stock of the new scarlet seedling carnation, Carter Harrison, which originated with Herman Streening while he was located at Roselawn. Mr. Streening is now gardener to M. M. Towle, at Hammond.

Klehms' Nurseries are now sending considerable quantities of their Novelty tulip to Kennicotts' and also some splendid lily of the valley forced from pips of their own growing. They have been growing pips for several years with only medium success but now seem to be on the right track.

McKellar & Winterson are selling a fine lot of cyclamens from J. A. Peterson, of Cincinnati. The plants are well flowered and move readily at from $6 to $12 a dozen.

E. J. Batcheler, recently with Jno. N. Kellenberger, of Fort Dodge, Iowa, is now traveling for McKellar & Winterson and Albert Fuchs.

The Invalid Appliance Company reports that there is already a lively spring call for their plant tubs.

Halle's windows are a bright spot on West Madison street, but for the matter of that all the retailers on that thoroughfare make pretty fine showings these days.

S. Blair Winter on Monday sat up for the first time in five months. He expects to be about again shortly.

The boy is growing so fast and so comely that Gus Lange thinks he will have to go to Paris this year to buy clothes for him.

W. N. Rudd left last Monday evening for New Orleans to gather strength for the coming meeting at Buffalo of carnation experts.

Oechslin Bros., of the Garfield Park Flower Co., have a big stock of ferns and are getting some nice wholesale orders.

Geo. M. Garland has put a section of his iron gutter on exhibition at McKellar & Winterson's.

F. F. Benthey and his wife celebrated their silver wedding last Monday.

Visitors: J. A. Evans, Richmond, Ind.; Michael Bloy, of Denver, Col.; E. G. Eggeling, St. Louis; Herman Holtz, Hammond, Ind.; Albert Knopp, Columbus, O.; L. J. Stuppy, St. Joseph, Mo.; Henry Faber, Kankakee, Ill.

Washington.

FRESH GOSSIP OF THE CAPITAL CITY.—SOME MORE GOOD DECORATIONS.—TRADE GOOD.—A NEW STORE AND A CLUB.—ROOTING CHAMÆDOREAS.

At the second bachelor's cotillion, at the National Rifles Armory, the decorations by J. H. Small & Sons were somewhat similar to the last, except that yellow and pink were the predominating colors, the draperies yellow and the flowers pink. Southern smilax and palm leaves were used with fine effect. The flower favors were Bridesmaid roses.

The congressional reception at the White House was another grand affair. The decorations as usual were very elaborate and admired very much. Noticeable on the Blue Parlor mantel was a fine specimen of Sphærogyne latifolia and two specimens of Cattleya Trianæ. More flowering plants were used than usual.

A. Gude & Bros'. new range of rose-houses are working very satisfactorily. They are planted with American Beauty, Golden Gate, Madame A. Chatenay and Meteor, with a few benches of carnations, which are in fine condition; in fact all their stock is looking very good. They have an extra fine lot of Nephrolepis Bostoniensis, an Cypripedium insigne with good flowers.

The retail cut flower trade was very good the past week, but on account of the cold weather business was very dull in the markets. Roses are scarce, but carnations, violets and bulbous stock are plentiful.

J. Shine and J. D. Davidson, formerly with J. L. Loose, have opened a stand in Center Market, doing business as Shine & Davidson.

Some of the younger florists met January 24 and organized a club, electing O. A. C. Oehmler, president, and J. Shine, secretary. The other officers will be elected at their next meeting.

I do not think it is generally known that chamædoreas can be rooted up near the crown, when they get tall and unsightly, by making an incision in the stem about six or eight inches below the lower leaves and placing some fibrous peat and moss around it and keeping it moist; when the roots show through the moss take a 4 or 5-inch pot, split it in two, clasp it around the moss and fill it with light soil. This will give you nice, sturdy plants, much finer than the seedlings. Henry Pfister has been very successful lately with Chamædorea elegans, and is trying C. Ernestii and others. P. G.

Detroit.

TRADE VERY GOOD BUT STOCK HARD TO GET.—BULBOUS MATERIAL IN DEMAND.—A LADIES' NIGHT PLANNED.—ON TO BUFFALO.—A CUT FLOWER EXCHANGE.—A NEW GROWER.

Flowers of all kinds have been very scarce during the past three weeks. Retailers whose trade has been generally good and in some cases extra fine have been seeking relief from distant markets but there, too, the same conditions seem to exist. The prices for everything good obtainable have ruled very much higher than is usual at this season of the year. At the present time very fine roses are hard to get at any price and but few Beauties are carried in stock by anyone. Bulbous stock is beginning to come in quite plentifully and is eagerly sought by the retailer and quickly disposed of. Violets are good and in fair supply while the demand for them is brisk and daily increasing.

At the club meeting on Wednesday evening arrangements were made for an entertainment in the near future, designed especially for the pleasure of the ladies, who have been looking forward to such an event for some time. Ten members signified their intention of attending the carnation meeting at Buffalo next week. Geo. A. Rackham is trying hard to make the party as large as possible and will make a strong effort to bring the meeting to Detroit next season. The party will leave here Wednesday evening on the Wabash.

A movement is on foot to establish a cut flower exchange in this city; Wm. Dilger is to be the manager. The idea at present is to make it a stock company, enlisting the support of the local growers and retailers, but consignments and orders will be solicited from all parts. A complete stock of florists' supplies will be kept and all the requisites of a throughly equipped wholesale house are contemplated. The project is taking favorably and it is expected active operations will commence soon.

Louis C. Nall, formerly with C. H. Plumb, will build three houses each 25x100 feet, four miles out from the city; 16x16 butted glass will be used on cypress sash bars; hot water will be the system of heating and the houses devoted to growing roses and carnations.

J. F. S.

Cincinnati.

BUSINESS BRIGHTENS UP.—ROSES VERY SCARCE.—A BURGLARY.—A CRACK SHOT MEETS GRIEF.

Business the past week brightened up very perceptibly but all kinds of stock were sufficient to meet the demand, with the exception of roses. They have been scarcer than at any time during the winter. At the Cincinnati Cut Flower Company's a few vases of the Novelty tulip were seen from George & Allan. While Mr. Allan and family were absent from home one day last week their house was burglarized. The thief was later captured and duly locked up, and to Mr. Allen's surprise he identified the man as a former employe, who is known to the police as Texas Jack. He wore Mr. Allan's shoes at the time of his arrest.

Sidney Murphy, who is known as a good shot in his neighborhood, was firing during the last cold snap and an unwelcome visitor to the greenhouse was a tomcat. His musical strains, as they floated through the quiet night air, was more than Sidney could stand. He armed himself with a shot gun and proceeded to the greenhouse gutter where Mr. Tom was holding forth. A sure shot laid the chorister low, but what a surprise awaited Sidney on his return to the greenhouses! He found glass scattered in every direction; not less than 135 panes were broken.

With much regret did we learn of the death of Mrs. Joseph Hill, mother of E. G. Hill. Mrs. Hill was well known to the florists of this vicinity and the bereaved family has our sympathy.

Visitors: B. Eschner, of M. Rice & Co., and M. Reukauf, representing Bayersdorfer & Co., Philadelphia.

H. SCHWARZ.

Montreal.

UNFAVORABLE WEATHER.—STOCK INFERIOR AND TRADE LIGHT.—ANNUAL DINNER OF THE GARDENERS AND FLORISTS.—AN OCCASION OF UNSURPASSED ENJOYMENT.

The weather we have been having here lately, and in fact all winter, has been the worst on record for the production of good flowers and in consequence the stock seen in the stores is very inferior in quality, with the exception of bulbous material, which is about as good as usual. Romans do not seem to be so much in demand as usual and in consequence there is an oversupply. Daffodils are rather scarce yet and what we have seen are inferior in quality. Carnations and roses are in fair supply but both very weak in the stem. Business is dull for the season, owing in a great measure to restlessness occasioned by the South African war. The absence of big social affairs is very much felt by the store-keepers. Funeral business is the only standby, and has been fairly brisk this winter, notwithstanding the occasional addition to a funeral notice of the dreaded phrase, "please omit flowers."

The annual banquet of the Gardeners' and Florists' Club took place at McHugh's popular Hotel Lachine, fifty members and guests participating. It was a grand success in every way. The ride out and back in special trolley cars was very enjoyable and after the splendid menu provided in McHugh's best style, good speeches, songs and recitations were on the programme. All those present agreed that it was unsurpassed by any previous social gathering of the club. Among the many beautiful plants which graced the table was a gigantic cyclamen, grown by Thos. McHugh, having over 200 expanded flowers. It was unanimously agreed that the club's certificate of merit be awarded the grower.

BEAVER.

St. Louis.

NO CHANGE IN THE TRADE SITUATION.—SORROW AT THE DEMISE OF AN OLD COMRADE.—MUCH FUNERAL WORK.

There is very little change from last week in the condition of the cut flower market. The weather has become decidedly warmer and stock is just a little more plentiful, but not enough to supply the demand. Prices remain about the same. American Beauties seem almost out of the question.

The death of John M. Jordan has caused profound sorrow among the craft. Mr. Jordan was loved and respected by all who knew him. The florists attended his funeral in a body and the Florist's Club sent a large and handsome floral design.

There were a large number of designs sent to the funeral of Charles Mebus, the fireman who lost his life at the great fire on Sunday. All the florists had a share of the work.

J. M. H.

Buffalo.

PLANS FOR CARNATION MEETING COMPLETE — WM. SCOTT TO DISCONTINUE HIS DOWN-TOWN STORE.—VARIOUS JOTTINGS.

The Florists' Club held a meeting Wednesday evening at which all the preparations for the carnation meeting were completed. Any exhibits consigned here in care of Chas. H Keitsch, 481 Washington street, will be provided for carefully. The use of Morgan Hall has been secured for the days preceding the exhibition.

Wm. Scott has decided to give up his down-town store early next month. The change will make the rest of us feel lonesome, but the change is a wise one, as the business can be handled more expeditiously from the greenhouses. Anyway, it seems trade is gradually moving up town.

Trade shows an improvement this week, but a large part of the increase is in funeral work.

Miss Rowan, of Kasting's is ill, but not seriously we hope.

Recent visitors were: Arnold Ringier, Chicago; W. J. Boas, Philadelphia.

W. A.

Indianapolis.

MEETING OF THE FLORISTS' ASSOCIATION.—SHOW COMMITTEES REPORT LITTLE PROGRESS.—VARIOUS PERSONAL JOTTINGS.

At the meeting of the State Florists' Association on February 6 reports were to have been received from the various show committees but instead the chairmen of the different committees offered excuses for their inactivity; all promised, however, to do a great deal of hustling during the next month. Henry Rieman, of the executive committee, made a strong but unsuccessful attempt to resign; it took all the eloquence of all members to persuade him that his services were indispensable. The secretary read a letter from Mr. Stuart, of Anderson, in which he thanked the association for its sympathy. Mr. Stuart is recovering rapidly and will be able to attend to business in the near future. Sydney Smith passed the evening very pleasantly sitting on Junge's stiff hat.

Robt. McKeand's usual jovial countenance looks quite sad; he is subsisting on liquid food, while his chewing apparatus is undergoing repairs.

About ten Indianapolis florists will visit Richmond Saturday, some of them going on to Cincinnati.

We are all very sorry to hear that Ernst Huckriede is seriously ill with pneumonia.

John Grande is the happy father of another son.

Mr. Hill, of Richmond, was present at Tuesday night's meeting.

H. J.

Cleveland.

TRADE GOOD AND STOCK SHORT.—PARTY FOR THE CARNATION MEETING.—VARIOUS ITEMS.

The cold snap we have been having has caused the supply of flowers to shorten up, which combined with a very fair amount of business makes everything worth having decidedly scarce. Roses bring from 4 cents to 8 cents; carnations, which have been slightly off both in quality and quantity since the holidays, bring on an average about 2 cents. All sorts of bulbous stock are now in, and the quality is very good.

The local delegation to the carnation meeting at Buffalo does not promise to be very large. Those who are reasonably certain to attend are H. A. Hart, J. M. Gasser, A. Graham, A. Schmitt and S. N. Pentecost. There may be a few more later, but not many.

Mr and Mrs. James Eadie left last Wednesday for a prolonged trip to California by way of New Orleans and El Paso, returning by way of Denver, Salt Lake City and Chicago.

John Barclay, representing Vaughan's Seed Store, and Joseph Rolker, of A. Rolker & Sons, have been recent visitors.

A.

LOUISVILLE, KY.—Emil Leuba, who left Aurora, Ill., December 29 without making known his destination, is now employed in this city.

TRENTON, N. J.—Wm. L. Marshall, manager for the Trenton Floral Company, drank carbolic acid on January 27. No cause can be assigned for the act.

OMAHA, NEB.—The Florists' Club meetings are increasing in interest and the organization is gaining members through the question box, which is now the leading feature of each session.

KEWANEE, ILL.—Hamilton & Plummer have sold a one-third interest in their business to Claude M. Hamilton, who has been with the firm since the start. There will be no change in the firm name.

PLANTSVILLE, CONN.—G. W. Matthews, who has for some months conducted the Quinnipiac Valley Greenhouses for Mrs. J. C. Pultz, has secured a lease of the property and will conduct the business in his own name hereafter.

ELIZABETH, N. J.—One night last summer a switch engine on the New Jersey Central railroad shoved a number of cars off the track and into the greenhouses of Henry Leahy, who sued for damages. He has been given a judgment for $1,000.

STAFFORD SPRINGS, CONN.—The Stafford Floral Co. are negotiating for the purchase of the three large greenhouses which were recently erected on the roof of a building in Springfield but which have been ordered removed by the insurance company.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THERE were 2268 brands of commercial fertilizers registered under the law of New York in 1899.

THERE will be larger stocks of flowering plants than ever before for Easter, but doubtless not enough.

THE city of Berlin has set aside the sum of 2000 marks for the purchase of plants to be placed in the hospitals.

THE production of cuttings of Mrs. Bradt carnation will be much more nearly equal to the demand than was the case last year.

IT takes an analytical and philosophical mind to understand the glass situation in this twilight year of the century, according to a contemporary.

OUR issue of February 17 will contain a full report of the annual meeting and exhibition of the American Carnation Society. Advertisements intended for this issue should reach us early in the week.

IN the advertisement of the Lakeview Rose Gardens, Jamestown, N. Y., in our issues of January 27 and February 3, Bride roses were quoted at $1.20 per hundred when the price should have been $1.50.

THE *Journal des Roses* lists 85 new roses sent out in 1899, 33 teas, 26 hybrid teas, 10 hybrid remontants, 6 noisettes, 6 polyanthas and 4 miscellaneous. France produced 61 varieties, Luxembourg 12, Germany 6, England 5 and Holland 1.

AN international chrysanthemum congress will be held at Paris by the National Society of Horticulture in France in 1900, says *Le Semaine Horticole*. It will be held at the same time as the special exhibition of chrysanthemums in the fall, in the Palace of Horticulture at the Exposition.

ACCORDING to *La Semaine Horticole* there is a great future in store for the new Ficus Eetveldiana as an ornamental plant. It comes from the Congo region of Africa and is stated to be very vigorous, branching close to the ground and carrying very large leaves, which are nearly as broad as they are long.

MR. BRIDGEMAN, of Blue Island, Ill., has a resurrection plant which he is able to state positively has been in his possession since 1874. It expands and colors up as quickly to-day as any ordinary specimen, although it has been packed away in a dry state during the greater part of the twenty-five years which have elapsed since he received it.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The Conard & Jones Co., West Grove, Pa., registers seedling rose New Century, a cross between Clothilde Soupert and rugosa alba. Described as an ever bloomer, hardy as rugosa. Flower, pink, double, fragrance similar to that of the wild rose. Foliage resembling that of rugosa. WM. J. STEWART, Sec'y.

Chicago to Buffalo.

Those of our readers who propose going to the Buffalo meeting of the American Carnation Society from Chicago will find convenient trains on the Wabash road, leaving Wednesday, February 14, at 12:02 p. m. and 3:15 p. m., the former arriving at Detroit at 8:10 p. m., Buffalo 5:15 a. m., and the later train reaching Detroit at 10:45 p. m., Buffalo 7:40 a. m. Thursday, February 15, the opening day of the meeting.

Buffalo Hotels.

Following are the leading hotels of Buffalo, with their rates:

Genesee, American plan $3 per day and upward; European plan $1 and upward.

Broezel, American plan $2.50 to $4.

Iroquois, American plan, $4 and upward; European plan $1.50 and upward.

Mansion, American plan, $3 and upward.

New Tifft, American plan $2.50 and upward; European plan, $1 and upward.

Stafford, American plan $2 to $2.50.

Lincoln, American plan $2 to $2.50.

Greenhouse Building.

Kirkwood, Mo. — A. Berdan, two houses.

Burlington, Ia.—Joseph Bock, carnation house 18x70.

Jacksonville, Ill.—Joseph Heinl, 25,000 feet of glass.

Muscatine, Ia.—August Smith, range of houses.

Nahant, Mass.— Thos. Roland, two houses 30x130.

Westerly, R. I.—S. J. Reuter, rose house 22x200.

Germantown, Pa.—T. R. Homes, conservatory, 10x60.

Highland, N. Y.—A. W. Williams, two violet houses.

Cornwall, N. Y.—A. Daniel, violet house.

Overhead Heating.

ED. AM. FLORIST:—How does overhead heating compare with heating by pipes placed underneath benches? Our greenhouse boiler is on the same level as the benches and we cannot obtain necessary circulation, but with the pipes overhead, nearer the roof, perhaps it could be improved. J. J.

While there is some advantage in having one or more of the heating pipes near the glass to aid in melting the snow and frost and in taking the chill from the air before it reaches the plants, the principal advantage to "J. J." would be in aiding the circulation, as the higher the pipes the more rapid the flow of the water. For houses twenty feet wide it is often desirable to use three 2 or 2½-inch flow pipes, upon the purlin and ridge posts, and have most or all of the return pipes upon the walls, as near the plates as possible. Where the houses are long, a single flow pipe of larger size, placed just beneath the ridge, often gives the best results when the boiler is above the level of the floor of the house. L. R. T.

Spiraeas for Easter.

ED. AM. FLORIST:—Please state how and when spiræas should be started for Easter flowering? Give also the treatment the plants should receive after starting. H. N.

Spiræas should be kept in a cool house under the bench, ready to place in a higher temperature about nine weeks before Easter. After starting, the plants should never be allowed to get dry and they should be syringed regularly and frequently until the flowers begin to show color. W. T.

Asparagus Plumosus.

ED. AM. FLORIST:—I have a solid bed of Asparagus plumosus and would like to remove the plants to another house, dividing them. To what extent should they be dried off before moving? J.

In transplanting asparagus I make it a rule to dry it off as much as possible, in fact one cannot get it too dry. The plants can then be divided more easily and with less injury to the roots; they will also start into growth a great deal quicker, and make stronger shoots.

W. H. ELLIOTT.

Catalogues and Catalogues.

The annual deluge of catalogues is now in full rush. They are coming in by sixes and by dozens; modest little two page folders and great big gorgeous fellows, with jackets bearing all the colors of the rainbow; catalogues accurately illustrated with half tone cuts and those filled with impossible wood cut monstrosities; catalogues full of glaring, baretaced lies and catalogues quietly and seductively deceptive—and some honest ones; good paper and printing and bad; all these are coming to hand in every mail.

However, we did not start out to lecture the trade on the moral aspects of the catalogue question, nor from the artistic point of view. For years past, and the present season is no exception, numbers of the catalogues, especially in the wholesale line, are filled with abominable examples of how not to spell even common horticultural names. Selecting at random, one from a number of these catalogues we find such atrocities as rubbeckia, dieltyra, philox, popaver—about ten names mispelled in a total list of about sixty odd. The list in question is nicely printed on excellent paper, and is in all respects well gotten up except in the spelling.

Aside from the feeling of disgust which every well informed person fells at such an exhibition, there is a very serious commercial side to the question. In buying seeds and plants, one naturally wishes to have them true to name, as well as of good quality. If the list is that of a firm with whom one has not dealt the question that at once arises is, Will not so careless or ignorant a firm be also equally careless or ignorant as to the purity of their stocks or the truthfulness to name of their plants? Here is an element of repulsion and doubt which undoubtedly results in the loss of many prospective good customers.

It is all so needless, too. If one is in such financial condition that he can not afford to expend a dollar or two for any one of the many books which will keep him in the path of virtue, so far as spelling is concerned, there are the catalogues of a dozen leading concerns who pride themselves on their accuracy in this respect, to be had for the asking.

Some Recent Fires.

PROVIDENCE, R. I.—A fire in the greenhouses of J. M. Sullivan & Co., on the morning of January 27, caused a damage of $100.

NYACK, N. Y.—Fire in the Lynch greenhouses caused considerable damage to stock in one house on the night of January 26.

CHATHAM, N. J.—Fire inflicted a small loss upon Harvey J. Lichtenwalter at about 2 a. m., January 27. For a time it looked as though the high wind would make it impossible to save any portion of the greenhouses.

MADISON, N. J.—Three greenhouses, belonging to Miss Alice Green, were destroyed by fire on the night of Thursday, January 25. The boiler house and potting shed were consumed and the plants in the greenhouses were ruined by water and freezing.

NEWARK, N. J.—At about five o'clock on the morning of February 2 fire destroyed the house, barn and greenhouses of P. W. L. Strom, in the Township of Acquackonack, across the Passaic county line. As there is no fire protection the loss was total, approximating $7,000, partly covered by insurance.

PADUCAH, KY.—Early on the morning of January 31 fire did $3,000 damage to the establishment of C. L. Brunson & Co. It is not certain how the fire originated, but when discovered the boiler room and office were all ablaze. Several of the greenhouses also went. Mr. Brunson states that he has partial insurance and will rebuild at once.

OBITUARY.

WM. FLANAGAN.

Word comes of the death of William Flanagan, of Providence, R. I. He was only 40 years of age, but had been in business nearly twenty years and was widely known. He had no family.

JOHN F. HICKEY.

John F. Hickey, who died at Denver on January 31, received his training at the establishment of the Dingee & Conard Co., West Grove, Pa., where he spent many years of his youth. Entering upon manhood, he married a Philadelphia girl and started for the west, finding service at Vaughan's greenhouses at Western Springs, Ill., where he filled the position of foreman for several years. On arriving at Denver about five years ago Mr. Hickey became foreman for H. H. Given and later assumed the same position with the Colfax Avenue Floral Co., remaining for about three years, when failing health caused him to determine to try the climate of Montana. After a few months at the establishment of Law Bros., at Butte, he returned to Denver, succumbing a few days after his return, to an attack of kidney trouble. He was 45 years of age and leaves a widow and one child.

JOHN M. JORDAN.

The earliest vice-president of the Society of American Florists, John M. Jordan, died at his residence in St. Louis, February 4, aged 70 years. Mr. Jordan had been in failing health for some considerable time past. He was well known to the trade, and had an extensive business in St. Louis for many years. He was a native of Vermont and took his early lessons in horticulture under Francis Brill, of Astoria, Long Island. In 1855 he married Miss Hannah Brill, who, with six children, three sons and three daughters, survives him. Soon after his marriage he moved to Bloomington, Ill., settling in St. Louis after the civil war. He served in the St. Louis city council and was an active worker in many social and fraternal organizations, including the Mercantile Club, Tuscan Lodge A. F. and A. M. and Ascalon Commandery, Knights Templar, Legion of Honor, Royal Arcanum and Sons of the Revolution. He was elected president of the S. A. F. at the Buffalo meeting in 1889, presiding at Boston the following year. In the able presidential address delivered in the latter city, he made use of the phrase, "lubricating the wheels of evolution," which retained talismanic power in the trade for many years after. The portrait on page 802 was prepared from an early photograph and is that perhaps from which he will be most easily recalled by his numerous friends throughout the country.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By young man with one year's experience for general greenhouse work. HENRY BAUER, 385 East 10th St., New York.

SITUATION WANTED—By a young man where he can learn the trade thoroughly; two years' experience; best references. D J, care Am. Florist.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—By first-class rose grower, single, 10 years' experience in growing first-class cut flowers. State wages. Address C H M, care American Florist, Chicago.

SITUATION WANTED—By a young man, age 21, as assistant cut flower grower; 3 years' experience in present place. Apply to W G, care Corbett & Wilson, Station K, Cincinnati, O.

SITUATION WANTED—To take charge of rose or carnation section in Iowa or Illinois; 10 years' experience in greenhouse; Swede For further particulars address O J, care American Florist.

SITUATION WANTED—By a lady who has had charge of a flower store for eight years; well experienced in designing, decorting, etc. Can furnish the best of references. Address A W, care American Florist.

SITUATION WANTED—By a thoroughly reliable all-around grower and landscape gardener; German 12 years' experience; competent to fill any position. Private place preferred. Address ERNEST PRIGGE, Alberton, Md.

SITUATION WANTED—As gardener and florist; single; 15 years' experience in all branches of the business. Also experienced in growing vegetables under glass. Al references Address F, care American Florist, Chicago.

SITUATION WANTED—As working foreman by competent man. Second to none in roses, 'mums and violets; 20 years' experience; age 41 years, married; Anglo-American. Good references Address J H D, 556 Randolph St., Meadville, Pa.

SITUATION WANTED—As gardener and florist by strictly temperate and reliable A1 all-around man; first-class grower of orchids, palms, roses, carnations, also fruits and vegetables. Private or commercial. Y Y, 287 West St., West Hoboken, N. J.

SITUATION WANTED—By a first class grower of roses, carnations, chrysanthemums and general stock, being in charge of rose houses several years with one of the largest cut flower growers in the east; capable of taking charge. O S, care American Florist.

SITUATION WANTED—For my foreman. He is an A No. 1, good, faithful man, sober, honest and at his post every day in the year. Has worked on my place for two years—but his private interests are near New York. He is good any place you put him—cut flowers or plants. A place near New York preferred. Address G W G, care American Florist, Chicago.

WANTED—Competent grower; single; state wages with board. RETAILER, care Am. Florist.

WANTED—Lady florist, for large retail store. ART FLORAL CO., 3907 Cottage Ave., Chicago.

WANTED—A good all-around florist, to take charge of 6500 feet of glass Apply, stating wages, etc., A. M. YORK, Hancock, Mich.

WANTED—Man for general greenhouse work; married man preferred State wages wanted. ROSE LAWN GREENHOUSES, Fort Scott, Kan.

WANTED—A copy of Issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—Man for general greenhouse work on retail place. Good chance to work up. Give full particulars first letter. F G H, care Am. Florist.

WANTED—Two men to work in greenhouses; roses, carnations and general stock Address, stating wages wanted with board, COLE BROS, Peoria, Ill

WANTED AT ONCE—A good propagator; wages $25 00 per month with board. Good home, steady place. State experience and references. C. HUMFELD, Clay Center, Kan.

WANTED—Two young men to work in greenhouse, general stock and cut flowers. Will pay $20 00 per month with board. Address B, care American Florist, Chicago.

WANTED—Well appearing man for store; must be first-class decorator and designer, and must come well recommended. Good wages to right party. SMITH & FETTERS, Cleveland, Ohio.

WANTED—Seedsman between 25 and 35 years of age, married, experienced in all lines, educated, painstaking worker, for responsible position; capable of earning $1000 per year or more Address JOBBER, care Box 2250, New York City.

WANTED—Working foreman to take charge; must be competent to handle men, and be thoroughly posted on growing of roses. Send names of former employers so I can look up your record. Salary $75.00 per month. Married man preferred. GEO. REINBERG, 301 Balmoral Ave, Chicago.

WANTED—A first-class man, married preferred, who thoroughly understands growing cut flowers—roses, carnations, 'mums and violets, is willing to take hold in earnest, and add in all work necessary to a rapidly growing cut flower and plant trade, wholesale and retail, in the best city in the country. The right man can take advantage of an opportunity of a lifetime. Address with references, LINDSAY THE FLORIST, Birmingham, Ala.

TO RENT—For cash or share, greenhouses of 9,000 feet in full operation. Address GREENHOUSES, care American Florist.

FOR SALE OR RENT—Cheap if taken at once, a fine retail stand, 4000 ft of glass, well stocked and all in splendid working order. Address G. KLOPFER, Peoria, Ill.

FOR RENT—Five greenhouses, about 8600 feet of glass, to a good man only who means business, as soon as possible. FRED. ELSHOLZ, 1506 Florence Ave., Evanston, Ill.

FOR SALE—Greenhouse plant, four large houses (new), iron and cypress construction; large dwelling, ½ acre city lot on street car line. Finest heating in existence, and heats dwelling also. Steam heating, vacuum steam heating (new wrinkle) or water heating. Either of these three can be used, (am using vacuum steam at present and it heats everything). Good cellar for mushroom growing. Address A. T HOYT, Warren, Ohio.

FOR SALE.

Owing to the state of my health I am compelled to dispose of my Greenhouses at Niles Center, Ill. This is a well-known establishment, 50 000 feet of glass, in first-class growing condition, stocked with Roses, Carnations and general stock; 3 acres good land 7-room dwelling on another acre which will be sold if purchaser desires it. This place is in the region of successful growers, and responsible parties will find this a rare bargain. Address HERMAN SCHILLER, 897 W. Madison St, Chicago.

WANTED, A SITUATION AS MANAGER OR FOREMAN.

The undersigned would like to correspond with anyone requiring the services of a manager or foreman, thoroughly competent and of good executive ability, to take charge of an establishment where good stock of every description is wanted. Seven years as foreman for W. N Rudd, Mount Greenwood, Ill. Can furnish excellent references as testimony of my ability to fill such a position. Address CHAS. W. JOHNSON, 30 Bench St., Stapleton, Staten Island, New York.

FOR RENT.

One hour's ride from Chicago, on North-Western Ry., 14,000 feet of glass in first-class condition—five acres of choice land if desired. A splendid opportunity for good grower with a little capital.

J, Care American Florist.

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

New Haven, Conn.

Business has been very satisfactory for the last two weeks, carnations, roses and all bulbous stock being in good demand. Promenade week was a big success for all hands. The decorations were never more beautiful, more cut flowers being used than in former years. Violets were in great demand but the prices were cut to $1 and $1.50 per hundred. The armory presented a very pretty sight after Koster, the decorator of New York, and Champion, of New Haven, finished their task.

The uptown florists met last Friday night to form a sort of arrangement as to prices of all cut flowers up to March 1. It was also voted to close at 7 p. m., Monday and Saturday excepted.

A. J. Thompson, of West Haven, has recovered from his recent illness and is attending to business again.

The Malley dry goods store has opened a floral department.

Recent visitors: Walter Mott and S. S. Skidelsky, of Philadelphia; Stephen Horan, of Bridgeport; S. E Banks, of Westport; Charles Schwake, of New York.

G. H.

Wholesale Flower Markets

CINCINNATI, Feb. 8

Roses, Beauty, select	50 00
" " medium	20.00
" Bride	6.00@ 8.00
" Bridesmaid	6 00@ 8 00
" Meteor	5.00@ 7.00
" Perle	4.00@ 5 00
Carnations	1 50@ 2 00
" fancy	3 00@ 4 00
Lily of the Valley	3.00
Violets	50.@ .75
Narcissus	2.00@ 3.00
Roman Hyacinths	2.00@ 3.00
Callas	8.00@10 00
Harrisii	10.00@12.50
Daffodils	3 00@ 4 00
Tulips	4.00@ 5.00
Asparagus	50 00
Smilax	12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, Feb. 8.

Roses, Beauty	10.00@20.00
" " fancy	25.00@50.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6 00@ 8 00
" Perle, Wootton	4.00@ 6.00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4.00
Violets	.40@ 60
Narcissus	2.00@ 3.00
Romans	2.00@ 3 00
Callas	10.00@15.00
Harrisii	12 50@15.00
Tulips	2 00@ 3 00
Smilax	12.50@15 00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Sweet Peas	1.50@ 2.00

MILWAUKEE, Feb. 8.

Roses, Beauty, long, per doz.	6.00@ 10 00
" " medium " "	3 00@ 5.00
" " short " "	1.00@ 1.50
" Bride, Bridesmaid	6.00@ 8.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	2.00@ 3.00
Violets	.75@ 1.00
Roman Hyacinths	3.00@ 4 00
Mignonette	2.00@ 3.00
Freesias	3.00
Adiantum	1.00@ 1 50
Common ferns	25
Smilax	15.00@18.00
Asparagus	75.00

PITTSBURG, Feb. 8.

Roses, Beauty	5.00@40.00
" Bride, Bridesmaid	3.00@10.00
" Meteor	3.00@10.00
" Kaiserin	3 00@10.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6.00
Carnations	.75@ 3.00
Lily of the valley	3.00@ 4.00
Violets, double	.50@ 1.50
" California	.35@ .50
Narcissus Paper White	2.00@ 3.00
Roman Hyacintha	1 50@ 3.00
Harrisii	15 00@20.00
Freesias	3.00@ 4 00
Tulips	3.00
Mignonette	1.50@ 4 00
Smilax	10 00@15.00
Wild Smilax, per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax Leaves	.15

Cyclamen Plants.

THE management of the Rosebank nurseries has decided, in order to make space for other crops, to dispose of the stock of cyclamen plants reserved for special city trade.

This stock is in the best possible condition of form, foliage and florescence, and will be so packed that we have no hesitation in guaranteeing its safe arrival.

Five and Six Inch Pots, averaging twelve blooms each, Six Dollars per dozen.

NO CHARGE FOR PACKING.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of CARNATIONS FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

WEILAND-RISCH FLORAL CO.

WHOLESALE GROWERS OF CUT FLOWERS

We have all the New and Standard Varieties of Roses and Carnations. American Beauties a specialty.

TELEPHONE 605 SALESROOM: 1607 ORRINGTON AVE., EVANSTON, ILL.

WRITE US FOR PRICES ON CARNATION CUTTINGS AND ROSE PLANTS.

GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

HARDY CUT FERNS

Write for prices.

Strictly first-class stock.

LOOSE LAUREL, in sacks, suitable for wreathing and roping.

JOHN ABBOTT, Hinsdale, Mass.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen. CYPRIPEDIUMS, $15.00 per 100.

	Per Dozen.
AM. BEAUTIES, Ex. long	$7.00 to $8.00
" 24-inch stems,	5.00 to 6.00
" 20 " "	4.00
" 15 " "	3.00
" 12 " "	2.00
" short "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 2.00
BRIDES	6.00 to 10.00
BRIDESMAIDS	6.00 to 10.00
METEORS	6.00 to 10.00
PERLES	4.00 to 6.00
VALLEY	3.00 to 4.00

	Per 100.
VIOLETS, double	$1.00 to $1.25
" single	.50 to .75
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	.75 to 1.00
ASPARAGUS	50 cts.
SMILAX	$1.50 per doz. 12.50
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS...$1.25 per M.	.15
(Vermont Fern Co.'s very best.)	
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4.50
No. 5 " 40 lbs.	5.50
No. 6 " 50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's

Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, BULBS, ETC., ETC.

We are strictly headquarters in the Western States for MASSACHUSETTS FANCY FERNS,

Present prices: Per M. $1.50; per 5 M lots, $5.50.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

All stock at lowest possible prices.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO. Feb. 9

Roses,	Beauty,	extra long stems	6.00@ 8 00
"	"	30 inch "	5 00
"	"	24 " "	4 00
"	"	20 " "	3.00
"	"	15 " "	2.00
"	"	12 " "	1 50
"	"	8 " "	1 00
"	Bride, Bridesmaid.		8.00@12 00
"	Perle		4.00@ 6.00
"	Meteor		6 00@ 8.00
"	Kaiserin		8 00@10 00
"	La France		6.00@ 8.00
"	Golden Gate		10 00
Carnations			1.50@ 2.00
"	fancy		3 00@ 4.00
Violets, double			.50@ 1.00
"	single		.40@ .50
Lily of the Valley			3 00@ 4 00
Cattleyas		per doz.	4 00@6 00
Dendrobiums		"	3.00
Lilacs		per doz.,	$1 00
Mignonette			1.00@ 2.00
Roman Hyacinths			1.00@ 2 00
Narcissus			3 00@ 4 00
Harrisii		per dozen	1.50@2.50
Callas		"	1.50@2 00
Freesias			3.00@ 4 00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			10 00@12.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties — Violets — Roses

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT A.D. 1753 COL. BOQUET. PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN
Always on Hand:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

FINE SMILAX NOW READY.

12½ cents full string.

H. TONG, Wholesale Grower, Ashtabula, Ohio.

Wholesale Flower Markets

PHILADELPHIA, Feb. 7.

Roses, Tea	6.00@10.00
" " extra	10.00@12.00
" Beauty, extra	40.00@50.00
" " firsts	20.00@30.00
" " seconds	6.00@12.00
Carnations	1.00@ 1.50
" fancy	2.00@ 4.00
Lily of the valley, Romans	3.00@ 4.00
Violets	.50@ 1.00
Daffodils	5.00@ 6.00
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00

BOSTON, Feb 7.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	4.00@ 6.00
" " extra	8.00@16.00
Carnations, ordinary	.75@ 1.00
" fancy	2.00@ 3.00
Lily of the valley	2.00@ 3.00
Violets, single and double	.50@ .75
Daffodils	3.00@ 4.00
Longiflorums	8.00@12.00
Callas	8.00@10.00
Freesias	.50@ 1.00
P. W. Narcissus, Roman Hyacinths	1.50@ 2.00
Mignonette	3.00@ 4.00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Succeesors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Constgnments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME CROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

In either stiff or flexible cover. ADDRESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq.
39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

Galax Leaves
To Dealers Outside of New York City.
Choice Galax.....$0.40 per M.
Choice Leucothoe..... 2.00 "
Special attention given orders to go in cold storage. Order at once.
J. N. PRITCHARD, ELK PARK, N. C.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Feb. 7.

Roses, Beauty select	40.00@60.00
" " medium	15.00@25.00
" " culls	2.00@ 5.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " Select	6.00@15.00
Carnations	50@ 1.50
" fancy	2.50@ 5.00
Lily of the valley	1.50@ 1.50
Violets	.40@ .75
Romane Hyacinths, P. W. Narcissus	1.00@ 1.50
Yellow Narcissus	2.00@ 3.00
Mignonette	2.00@ 8.00
Callas	6.00@ 8.00
Harrisii	10.00@15.00
Lilac, per bunch	.50@ 1.00
Freesias	.50@ 1.00
Cattleyas	30.00@50.00
Dendrobium formosum	15.00@20.00
Cypripediums	10.00@12.00
Smilax	8.00@12.00
Asparagus	35.00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	1.00

BUFFALO, Feb. 8.

Roses, Beauty	5.00@60.00
" Bride, Bridesmaid, Meteor	3.00@12.00
" Perle, Niphetos	3.00@ 5.00
" Kaiserin	3.00@ 8.00
Carnations, ordinary	1.00@ 2.00
" fancies	2.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets	.50@ 1.25
Daffodils	3.00@ 4.00
Roman Hyacinths	1.00@ 3.00
Harrisii	15.00@20.00
Callas	10.00@15.00
Tulips	4.00@ 5.00
Smilax	12.50@20.00
Adiantum	.75@ 1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	30.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding, Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

THE NEWEST THING IN OLD NEW YORK IS THE NEW WHOLESALE CUT FLOWER STORE OF THE OLD ESTABLISHED AND ALWAYS RELIABLE
J. K. ALLEN,
AND THE NUMBER IS
106 West 28th Street, NEW YORK CITY.
COME AND SEE US. FRESH FLOWERS at FAIR FIGURES.
SEND YOUR FLOWERS. RETURNS RIGHT and REMITTANCES REGULAR.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. .....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE onion set market is quiet and prices but little changed.

CARL CROPP, of Vaughan's Seed Store, Chicago, left for St. Louis on Thursday.

THE past month has been a very active one for contract growers of peas and beans.

LAST year Great Britain and Ireland imported grass and clover seeds to the value of 549,535 pounds sterling.

VISITED CHICAGO: Frederick S. Plant, of the Plant Seed Company, St. Louis; J. McHutchinson, representing Aug. Rhotert, New York.

S. Y. HAINES, now in charge of the putting up of the government seed orders at Washington, will return to his home in Minneapolis February 15.

NEW HYDE PARK, N. Y.—Burglars blew open the safe in the seed store of J. C. Baylis on the night of January 31 and secured $25 in cash and some papers.

RECENT advices from France are to the effect that the prospects for good crops are very favorable so far, with the exception of cabbages, which look very badly. The plants could not be set out until very late and a great many of them perished in consequence. The weather in the past four weeks has been very wet there.

ON February 1 a co-partnership was formed by Alex. Rennie and W. S. Pino to conduct a general seed and horticultural supply business under the firm name of Rennie & Pino, at Washington and Eddy streets, Providence, R. I. Mr. Pino has for several years been associated with Wm. Elliott & Sons, New York, and Mr. Rennie for the past twelve years with Hamlin Johnson & Co. and their successors, Walter A. Potter & Co., of Providence.

ST. LOUIS, MO.—This city was visited by a 2,000,000-dollar conflagration on February 4, four blocks of business houses being wiped out. Among the losers were the Schisler-Corneli Seed Company and the Plant Seed Company. The former's establishment was totally destroyed and they are reported to have lost $25,000 worth of stock but were fully insured. The loss on building was $15,000 but was also covered by insurance. The Plant Seed Company has sent a circular letter to the trade announcing that their loss was wholly by water, and that confined principally to one store. They state that they are open for business and prepared to fill all orders promptly.

Carnations, ROOTED CUTTINGS

Healthy, strong plants, Crown cool, first crop from new house.

	Per 100.	Per 1,000.
Flora Hill	$1.25	$12.00
Freedom	1.00	9.00
Daybreak	1.00	9.00
Wm. Scott, ex. good	1.00	8.00
Mrs. Fisher, ex. good and clean	90	7.00

Chrysanthemums, all the best commercial and exhibition varieties in large quantities. Write for price. Cash from unknown parties. Address

J. W. HOWARD, Russel St., Woburn, Mass.

Florists' Tested Flower Seeds and Bulbs.

		Large trade pkt.	Oz.
ASTER,	Improved Victoria, mixed	$ .25	$1.25
"	Florist's Special Mixture	.25	1.25
"	Semple's True Branching, mxd.	.20	.50
"	" Shell Pink, White and Red in separate colors	.25	.75
Ampelopsis Veitchii	oz. 10c, lb. 75c.		
Cosmos,	Giants of California	.10	.40
Cobæa Scandens		.10	.30
Double Daisy,	choice mixed	.30	2 00
Lobelia	Crystal Palace compacta (true)	.25	1 50

		Large trade pkt.	Oz.
Mignonette	Defiance { Best varieties	.25	1.00
"	Machet { for florists.	10	.40
Nasturtium	Tom Thumb, mixed, per oz. 10c, per lb 45c, per 100 lbs. $40.00.		
"	Tall, mxd., oz. 10c, lb. 35c, 100 lbs. $30.		
"	Madame Gunter Hybrids, per oz. 10c. per lb. 90c.		
Smilax	(new crop). per oz. 35c, per lb. $2.50.		
Tuberoses,	choice double Pearl, No. 1 $7.00 per 1000 —5000 @ $6.50. No. 2 $3.50 per 1000.		

JOHNSON & STOKES,

Send for Florists' Wholesale List. 217 & 219 Market Street, PHILADELPHIA, PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

CHOICE FLOWER SEEDS FOR FLORISTS

is now ready. A post-card will bring it to you.

We have still on hand some of our

LILY OF THE VALLEY PIPS,

the finest that come to this country.

Per 1000, $10; cases of 3000 at $9 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6 00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Please mention the American Florist when writing.

K. J. KUYK, Ghent. **K. J. KUYK,** Hillegom.

PLANTS. BULBS.

I beg to announce that my representatives, Mr. H. J. GOEMANS and Mr. H. P. HUGENHOLTZ, have started on their annual trip to the United States and Canada, to solicit orders from importers of Palms, Azaleas, Araucarias, Sweet Bays, Ficus, etc., and Holland Bulbs.

The address of my representatives will be up to May 15th, care Mr. J. Ter Kuile, 33 Broadway, New York City.

A splendid stock for spring and fall delivery is on hand.

Gardening Under Glass

Try Watson's for

SELECT STOCKS

of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, originator's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25

MUSHROOM SPAWN, my celebrated "W. P" brand, best in the world, 10 lbs. for $1.00 Sample brick, postpaid, for 25c.

RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.

CRAPE VINES, for graperies, 30 varieties. 1-yr., 75 cts; 2-yr., $1 50 each.

Bailey's Forcing Book The latest up-to date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass, 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,

Importer and Exporter of

GRASS and GARDEN SEEDS, BULBS,

Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.

Office & salesroom, Juniper St. below Walnut,

PHILADELPHIA, PA.

XXX SEEDS

VERBENA GRANDIFLORA.

Good percentage of white.

The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 800 seeds, mixed colors, 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00.

CYCLAMEN GIGANTEUM.

The choicest giant flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50c.

PHLOX DRUM. PUMILA,

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.

A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES.

VAUGHAN'S FLOWER SEEDS. FOR PRESENT SOWING

Strictly high class, **NEW CROP FLOWER SEEDS** of choicest, most carefully selected strains, for florists' use, in great variety.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE. which is better now than ever. Trade pkt., 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY, CHICAGO PARKS MIXTURE, trade pkt., 10c.; ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, Snowball and Longfellow. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trade pkt., 10c; oz., 40c.
" **CANDIDISSIMA.** 1000 seeds, 25c.; oz., $1.

DRACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trade, pkt., 25c; ⅛ oz., 35c.

KENILWORTH IVY. Trade, pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

LOBELIA CRYSTAL PALACE COMPACTA. Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

LOBELIA, SUTTON'S GEM. White, pink or blue. Each, trade. pkt., 20c.

LOBELIA, White Lady; dwarf white. Pkt., 15c.

MIGNONETTE MACHET. true. Pkt., 10c.; oz., 40c.
" Bismarck, new, an improved Machet. Pkt., 15c.; ¼ oz., 50c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE, mixed, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE, each, 250 seeds, 50c.

PRIMULA FORBESI, "Baby Primrose," 500 seeds, 25c.
" " **COMPACTA,** new, 500 seeds, 35c.

SALVIA SPLENDENS, Clara Bedman. Pkt. 25c.
" " Drooping spikes. ¼ oz., 25c.
" " New crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA and **ROSEA,** each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz., 30c; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura, and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE, contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent on orders for flower seeds for $2.00 and over for cash with order.

For other seeds, send for our complete Flower Seed List, in our **Book for Florists.**

TUBEROSE BULBS! True Excelsior Dwarf Pearl.

First size, 4-6 in., per 1000, $7.00; 3000 for $20.
Mammoth, 6-8 inch, per 1000, $10.00.
Medium size, 3-4 inch, per 1000, $3.75.

Fern Balls, dozen, $4.00.

New York. **VAUGHAN'S SEED STORE,** Chicago.

FLOWER SEEDS FOR FLORISTS

We are the Largest Growers of Flower Seeds of any American seedsmen, both at FORDHOOK FARMS, where large areas of flowers are planted in the open ground and where greenhouses and protected frames are devoted to the finest Florists' flowers, and by our contract growers in the most favorable locations of California and other States. Not only are all these grown under our personal inspection, but frequent visits to the leading growers of Europe, combined with the most complete trials at FORDHOOK FARMS, where all our strains are tested each season in comparison with strains from other sources, enable us to know that our stocks of choice Florists' flowers are unsurpassed. They are equaled only in a few instances by specialists growing single varieties.

Both in Europe and America there are noted specialists growing a single variety of flower under the most favorable conditions, and our extended trials enable us to select the finest of these special products for our customers.

In the descriptive headings of the different flowers will be found suggestions as to the best varieties to plant for cut-flowers and to grow for flowering and ornamental potted plants for retail sales. We are glad to assist our customers at any time in the selection of the most suitable varieties for the above purposes, and shall cheerfully answer any inquiries in this line, from the experience gained in our extensive trials and familiarity with the cut-flower markets of Philadelphia and New York. We would request, however, that such inquiries be written separately from the order to secure prompt attention, as under our system the orders are filled at once on receipt and the answer to questions is somewhat delayed when written in the order.

It is hardly necessary for us to refer to the complete assortments of SWEET PEAS, PANSIES, and NASTURTIUMS offered by us, having so long held the leading position in these specialties. We can equally recommend our grand strains of ASTERS, BALSAMS, BEGONIAS, CINERARIAS, COLEUS, CYCLAMEN, DIANTHUS, GLOXINIA, HELIOTROPE, HOLLYHOCK, MIGNONETTE, PETUNIA, PHLOX, POPPIES, CHINESE PRIMROSES, STOCKS, SALVIA and VERBENAS, all of which are of the finest types and richest colorings, and especially desirable for Florists' planting.

All Flower Seeds are **tested thoroughly,** both for vitality and trueness to type, —just as thoroughly as are our Vegetable Seeds. There are so many "cheaply grown" California and European Flower Seeds upon the market that some of our prices may seem high—when for the quality, they are really moderate. Florists will find it more profitable to pay cash for **BURPEE'S SEEDS,** rather than to buy upon long credit, even at lower prices.

BURPEE'S BLUE LIST FOR 1900.

A complete catalogue giving lowest prices possible for Florists and Market Gardeners mailed free upon application. It is a book of 144 pages, giving much useful information and offering all the "Best Seeds that Grow."

W. ATLEE BURPEE & CO., Philadelphia

CARNATION CUTTINGS.

	Per 100	Per 1000		Per 100	Per 100
MRS. LAWSON	$14.00	$120.00	FLORA HILL	$2.00	$15.00
G. H. CRANE	5.00		GOLD NUGGET	2.00	15.00
AMERICA	5.00	40.00	TRIUMPH	2.00	15.00
MELBA	4.00	30.00	DAYBREAK	1.25	10.00
LESLIE PAUL	4.00	30.00	ARGYLE	1.25	10.00
GOV. GRIGGS	4.00	30.00	ARMAZINDY	1.25	10.00
MRS. BRADT	4.00	35.00	LIZZIE McGOWAN	1.00	7.50
FRANCES JOOST	2.50	20.00	EVELINA	1.00	7.50
EVANSTON	2.50	20.00	MAYOR PINGREE	1.00	7.50
JUBILEE	2.50	20.00	WM. SCOTT	1.00	7.50
VICTOR	2.00	15.00	NIVEA	1.00	7.50
WHITE CLOUD	2.50	20.00	MORELLO	1.00	7.50

ROSE CUTTINGS.

METEOR	$1.50 per 100	PERLE	$1.50 per 100
BRIDESMAID	1.50 per 100	GOLDEN GATE	2.50 per 100
BRIDE	1.50 per 100	☞ Write for prices on large lots.	

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.
Special prices on large lots.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Tuberous Begonias, single, five separate colors, extra fine large bulbs, ½-inch, per 100, $2.50. Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs, per 100, $3.00. Cannas in choicest sorts, $2.00 to $8.00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Sprengeri seed, 100 75c; 1000 $6.00. Asparagus P. Nanus (TRUE), 100 $1.00; 1000 $9.00 Latania Borb. 100 40c; 1000 $2.50 Pandanus Utilis, 100 $1.25; 1000, $10.00. Cocos Weddelliana, 100 $1.00; 1000 $7.50. Send for our NEW spring list. Address
H. H. BERGER & CO., 47 Barclay St., N. Y.

CHOICE GALAX, Green and Bronze, 50 cents per 1000.

CHOICE LEUCOTHOE, Bronze and Green, **$1.75 per 1000.** Orders from cold storage. Cash with order or satisfactory references.
W. H. Williams Bro., Victoria, Macon Co., N. C.

FINE STOCK. **PANSIES.** AT LOW PRICES.

....THE JENNINGS STRAIN....

200,000 fine, stocky plants in cold frames. Large-flowering; superb colors; many are curled and fringed. 100 plants by mail, 60c.; 1000 by express, $3.50. Large plants in bud, 50c. per 100, ex. Seed of above, $1 per pkt., $5 per oz. 100 fine Pansy blooms by mail, 50c. Seed and plants can also be had in separate colors, same price.

100 choice mixed **Gladioli,** 50c. 100 extra large scarlet **Amaryllis** bulbs, $6. Medium size, $3 per 100. Samples sent for 10 cts. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the Finest Pansies.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Colorado blue spruce is in great demand.

THERE has been a heavy planting of apple stocks in the west.

AN international horticultural congress will be held in Paris May 25 and 26.

L. T. CURTIS, of Flint, Mich., has enlarged the Genesee County Nurseries by the purchase of forty adjoining acres.

J. T. STINSON has resigned his position at the Kansas State University to become Director of the State Fruit Experiment Station at Mountain Grove, Mo.

The White Caryopteris.

The white form of Caryopteris Mastacanthus mentioned in a recent issue is by no means a novelty. I procured plants from a Long Island grower some three years ago, and the same season I procured seeds from a New York seed house. I see they still catalogue it in their seed list. It is not so showy, nor is it likely to prove such a favorite as the blue form; still it is worthy of a place in every collection. It commences to bloom about a month earlier than the blue variety, and as the season is then much warmer the flowers do not last so long. Unfortunately the severe winter of 1898-99 killed all our plants, so that from our experience, it is not so hardy as the blue, which escaped with the tops being partly killed back. JOHN W. DUNCAN.

ETHEL CROCKER,

.....$10 PER 100.

	Per 100	Per 1000
AMERICA	$5 00	$40.00
G. H. CRANE	6 00	50.00
FLORA HILL	1.50	10 00
WHITE CLOUD	3 50	30 00
MRS. JOOST	2 50	20 00
DAYBREAK	1.50	10.00
VICTOR	1.50	12 50
BRADT	5.00	40.00

GRAFTED ROSES, LIMITED SUPPLY.

H. F. LITTLEFIELD,
WORCESTER, MASS.

New Crop
WINTER-BLOOMING CARNATION SEEDS

Hand fertilized, 25c per 100. Cash with order.
AMERICAN ROSE COMPANY, Washington, D. C.

New Yellow Chrysanthemum
WALTER MOLATSCH
Ready March 1st, 1900.
Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by
DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y.

OAKS 10,000 Pin, Scarlet, Red, White Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

CLEMATIS PANICULATA & AMPELOPSIS VEITCHII
$40 to $70 per 1000. $35 to $50 per 1000.
We have the above in large quantities, 2 and 3 years old, fieldgrown.
Grasses at $2 per 100; Cal. Privet, $12 per 1000.
Stock for transplanting. Shrubs in large quantities cheap. Send for wholesale list.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

FRUIT and ORNAMENTAL **TREES**
SHRUBS
VINES
AND **ROSES**
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., GENEVA, N. Y.

CALIFORNIA PRIVET CUTTINGS.
From choice plants, grown at the sea shore, in a hardy climate, for sale. In view of the immense demand for Privet, nurserymen should increase their stock, and all horticulturists should raise some of this favorite hedge plant. Send $1.25 for sample of 1000 cuttings.
ATLANTIC COAST NURSERIES,
J. H. Cornell, Prop. 606 4th Ave., Asbury Park, N. J.

FIELD-GROWN OWN ROOT
Rose Bushes.
Tender and Hardy sorts.
JAPANESE IRIS, best named sorts.
Buy quickly and make sure of them.
The Howland Nursery Co., Los Angeles, Cal.

THE ROLETA NURSERY CO.,
ROLETA, TENN.
We have on hand the best lot of TREE AND SHRUB SEEDLINGS that can be collected.
300,000 SUGAR MAPLES, 2 to 3 ft., at $3.00 per 1000. Please give us a list of your wants and write for price list.
HORACE PERRY, Prop.
Please mention the American Florist when writing.

JOSEPH HEACOCK
WYNCOTE, PA.
GROWER ...OF... **ARECA LUTESCENS, KENTIA BELMOREANA,**
—All Sizes—
Please mention the American Florist when writing.

CYCLAMEN PERSICUM GIGANTEUM,
In the various colors and shades.
Plants are in healthy condition, $5.00 per 100; $40.00 per 1000.
Money Order Office Chestnut Hill, Phila.
EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA.

We are now booking Import Orders for
H. P. ROSES,
in all popular varieties, at $50.00 per 1000, f. o. b. Boskoop, Holland.
We would be glad to give prices upon Rhododendrons, Azalea Mollis, Clematis, hydrangeas, etc., upon application.
ENGLISH IVY, Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting.
$4 per 100, $35 per 1000.
Bobbink & Atkins,
....RUTHERFORD, N. J.
NURSERY AND STORAGE CELLAR AT Carlton Hill, N. J.

CRIMSON RAMBLER,
Strong plants, 3 to 4 ft.....$15.00 per 100
Extra strong plants, 4 to 5 ft..... 18.00 "
Acalypha Sanderi, 2½-in., $8.00 per 100.
THE CONARD & JONES CO.
WEST GROVE, PA.
Please mention the American Florist when writing.

ROSES, field-grown, 2 years old.
AMPELOPSIS VEITCHII, 2 years, strong.
CLEMATIS JACKMANNI, 2 years, XXX.
FLOWERING SHRUBS.
Send for our price-list giving rates upon these and other hardy ornamental nursery stock.
JACKSON & PERKINS CO., NEWARK, NEW YORK.

AMERICAN ELMS.
8 to 10 feet, 1 to 1½ inch caliper.
25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.
SEND FOR PRICE LIST.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Several thousand strong field grown, 2 year old
ZELIA PRADEL ROSE
plants for sale, $15.00 per 100.
JOHN WOLF, - Savannah, Ga.

CLEMATIS.
Small, thrifty, dormant plants, in 4 best kinds to pot for spring sales. $1.00 per dozen; $8.00 per 100; free by mail or express.
F. A. BALLER, Bloomington, Ill.
Please mention the American Florist when writing.

WHITE DAYBREAK, the best white Carnation on the market. Price $6 per 100; $50 per 1000.

NOVELTY Tulips BEST PINK Tulips

CARNATION CUTTINGS.

If you get them from us you get the Chicago market price; on Cut Flowers it's the same.

SOME OF THE LEADERS FOR 1900.

CERISE QUEEN—$2.50 per 100, $20 per 1000.

G. H. CRANE—Bright scarlet, early and continuous bloomer. A most satisfactory variety. $6.00 per 100, $50.00 per 1000.

MRS. GEO. M. BRADT—White striped scarlet—nothing to equal it. $5 per 100, $40 per 1000.

WHITE CLOUD—A white variety of true merit. $4.00 per 100, $30.00 per 1000.

MACEO—Deep crimson, very free. $6.00 per 100, $50 per 1000.

GOMEZ—Crimson, lighter in color than Maceo. $5 per 100, $40 per 1000.

GLACIER—Pure white, medium height, early and free. $6 per 100, $50 per 1000.

AMERICA—Scarlet, an excellent variety. $5 per 100, $40 per 1000.

GOLD NUGGET—Yellow, best in its class. $4 per 100, $30 per 1000.

KENNICOTT BROS. CO.,

Wholesale Cut Flowers,

42-44 Randolph St., CHICAGO.

Address all mail or telegrams to the firm to insure prompt attention.

WHITE DAYBREAK, the best white Carnation on the market. Price $6 per 100; $50 per 1000.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

A Dinner at Poughkeepsie.

The annual dinner of the Dutchess County Horticultural Society, on Wednesday evening, was an unqualified success. Over fifty were present, including the mayor and other prominent citizens. Messrs O'Mara, Henshaw, Weathered, Sheridan, Ward, Donlan and Stewart came up from New York. Richard Connell acted as toastmaster, but there was no prearranged programme. The repast was excellent and the music good. Numerous generous premiums were pledged for the next exhibition.

At New York.

Theo. Roehrs has been elected chairman and Chas. Schenck secretary of the local committee on the tournament to take place next August. E. Schultheis, Wm. Elliott and Emil Steffens are the special committee on the proposed shooting contest. Mr. McKnight, of Jersey City, has offered the use of his meadow for the shooters

The following scores were made on the Fifty-seventh street alleys last Monday evening:

Player	1st	2d	3d	Player	1st	2d	3d
Manda...	122	125	118	O'Mara....	146	178	157
Traendly...	114	129	102	Siebrecht.	166	148	108
Lang.....	158	163	164	Shaw.....	182	131	123
Burns.....	125	120	133	Hafner.....	157	147	102
Donlan....	122	143	131	Taylor.....		76	94

The first contest in the tournament between New York, Flatbush and Hudson County was a victory for Flatbush at West Hoboken on Wednesday evening. There was huge enjoyment and a hospitable supper was served. The next games will be rolled on New York alleys at three o'clock on next Wednesday afternoon.

At Philadelphia.

The national tournament is now on and there will be a great struggle to get on the team. President Harris is making great strides in that direction and it would not surprise us the least whit if he should "make" the team and put up another St. Louis score of 240 or even better. His average for three games a day or so ago was nearly 170. If this pace is kept he will soon be scratch man. David, the son of William, of Buffalo, is cutting great swathes on the alleys and is preparing himself in great style for next summer's contest. Our first team defeated the strong college team of the U. of P. last week by over 500 pins. Snowed 'em under, as it were. Below are the averages for the last three months for the first twenty-five members:

Hamilton	167	Smith	139
Moss	158	Baker	137
Connor	157	C. Craig	132
Johnston	156	Gibson	131
Brown	152	Lutz	130
Westcott	148	Stoneham	126
Walker	146	Hallowell	126
Starr	146	Watson	124
Moore	143	Burton	123
Anderson	142	Fallon	119
Archer	141	Lonsdale	113
Harr s	140	Lamb	109
Goebel	139		

K.

CLAIMING THE EARTH.

A local house in the Cut Flower commission business has acquired the habit of claiming everything in sight, as instanced in a recent advertisement of theirs in which they say: "We claim to be the oldest, most reliable and largest dealers in Cut Flowers in Chicago, and we can prove it."

Now we take exception to these claims of theirs; they are too broad and strong. There are several thoroughly reliable dealers in Cut Flowers in Chicago; we are one of them, our record proves it. If the claimant in question is MORE reliable than any other house here, we should like to have them prove it—as they say they can do.

Again, but a matter of no vital interest to us, they say that they are the "largest dealers in Cut Flowers in Chicago." We do not claim to be this; we probably are not even the largest commission dealers in Cut Flowers in Chicago; however, while they have their proofs handy, they might also prove this claim, as they say they can do.

They also claim to be the "oldest" dealers in Cut Flowers in Chicago. We do not consider them to be so; we certainly are not and we think another firm to be. They might also produce "proof" to support this claim.

Incidentally let us remark that we are wholesaling Cut Flowers on a commission basis, that our stocks are as good as any other firm's here, that we ship at current market rates, that we do not "scalp," that we are building up a rapidly growing business by close attention and honest effort, and that we CHALLENGE ANY FIRM in the Cut Flower business in Chicago to "prove" that they are more "reliable" than we are.

Wholesale Dealer in Cut Flowers.

E. C. AMLING,

32-34-36 Randolph St.,

WALTER S. HEFFRON, MGR. ...CHICAGO, ILL.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY					
30-36 in. stem	per doz.,	$7.00			
24 "	"	5.00			
20 "	"	3.50			
15 "	"	2.50			
12 "	"	1.50			
8 "	"	1.00			
METEOR	per 100	$5.00 to	10 00		
BRIDESMAID	"	6.00 to	8.00		
BRIDE	"	6 00 to	8.00		
PERLE	"	4.00 to	6.00		
CARNATIONS	"	2.00 to	3.00		
" Fancy..	"	4.00			

Quotations subject to change without notice. All other stock at lowest market prices.

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.

$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,

1730 W. 107th St., Station 48, CHICAGO, ILL.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1 00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

REX BEGONIAS

8000 fine plants out of cutting bench.....2c.
500 2 and 2½-in. strong plants, fine.....5c.
500 2½-in., strong plants, leaves damaged.2c.

JOHN C. ENGLEHORN, Galion, O.

Successor to Fisher & Son.

CASH WITH ORDER, PLEASE.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. WAVERLEY, MASS.

Chinese Azalea.

Azaleas.... for Easter

Although our stock of Azaleas this season is larger than ever, we strongly recommend early orders. Many of our customers were disappointed last year in not being able to procure stock several weeks before Easter, and we have taken more than ordinary precautions to prevent a repetition of this the coming season, but all indications are that the demand this year will be greater than ever, besides this the plants can be transported with so much greater satisfaction while they are still in a semi-dormant condition, that this point alone should be sufficient to induce early orders, for no matter how carefully packed, the plants are certain to receive some check when turned out of pots after the buds have developed, and we assume no responsibility for injuries arising from late shipments.

We can still supply full assortments in the following sizes:

		In. diam.	Per doz.	Per 100.
5-in. pots, nice bushy crowns,		10 to 12	$5.00	$40.00
5 and 6	" " "	12 " 14	6.00	50.00
6 and 7	" " "	13 " 15	9.00	70.00
7	" " "	15 " 17	12.00	100.00

Also a grand lot of specimen plants of Mad. Van der Cruysen of exceptionally good value at $1.50, $2.00, $2.50, $3.00 and $5.00 each.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PENN.

GENEVIEVE LORD.

THE peer of any light pink Carnation ever offered to the trade. A commercial triumph. Its beautiful color, large size and its matchless length and stiffness of stem make it, beyond a doubt, the queen of its class. There is nothing like it. We offer it to the commercial grower as a money getter of the first magnitude.

As an exhibition flower, it ranks high. It will take care of itself in its class. It has carried off the highest honors wherever shown. The blooms are now being sold in the most critical market and bringing highest prices. It will not be over-propagated. Our book will close as soon as the limit is reached. Order early and be sure.

$75 00 per 1000, $10.00 per 100, $2 00 per doz.

☞ Please Note: Stock for delivery prior to March 15th, all sold. Are now booking orders for that date and later. Stock is going fast. Don't delay.

Send for complete description of above. Also MRS. THOS. W. LAWSON, OLYMPIA, THE MARQUIS, ETHEL CROCKER, JAS. WHITCOMB RILEY, CHICAGO and ESTELLE, at introducers' prices.

H. Weber & Sons, OAKLAND, MD.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Gov. Griggs	2.00	15.00
Hector	3.00	25.00
Albertini	1.50	12 00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15.00
Daybreak, lt. pink	$1.25	$10.00
Painted Lady, cerise	1.50	12.00
White.		
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Eveliua	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

ROSES.	100	1000
American Beauties	$3.00	$25.00
Brides	1.50	12.50
Maids	1.50	12.50
Meteors	1.50	12.50

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Jubilee	2.00	15.00
Bon Ton	2.00	15.00
Crimson.		
Gen. Maceo	$6.00	$50.00
Gen. Gomez	6.00	50.00
Evanston	2.00	15.00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00
Sandusky	3.00	25.00
Yellow.		
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00
Carmine.		
Argyle	$1.50	$12.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

TO CLOSE OUT for want of room, the following plants, ready for a shift.

		Pots.	Per 100.	Per M.
400	Phœnix Reclinata	4-in.	$8.00	
1000	" "	2-in.	5.00	45.00
5000	Pteris Tremula	"	2.50	20.00
2000	" Ensifolia	"	2.50	20.00
2000	" Serrulata Max	"	"	"
3000	" Longifolia	"	"	"
2000	" Serrulata	"	"	"
2000	" "Compacta Nana"		3.00	25.00
1000	" Ouvrardii	"	2.50	20.00
1500	Nephrolepis Bostoniensis.	2½-in.	5.00	40.00
2000	" Cordata Compacta	"	4.00	35.00
2000	" Exaltata	"	4.00	35.00

Would exchange for 500 Adiantum Cuneatum.

CASH WITH ORDER.

THE E. HIPPARD CO., Youngstown, O.

Please mention the American Florist.

100,000 Well-Rooted CARNATION CUTTINGS.

Strictly first-class stock from our own greenhouses. **Wm. Scott, Edith Foster, Daybreak, Freedom, McGowan, Wellesley, Robin Hood, Zampa, Nivea, Alba Superba,** $1.00 per 100.

Mrs. Frances Joost, $2.50 per 100
Flora Hill, - - $1.50 per 100

Special prices on large lots, or orders booked now for future delivery from sand or soil.

N. F. McCARTHY & CO.,
84 Hawley Street, BOSTON, MASS.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10.00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1.50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3.50	Jubilee, scarlet	1 50
Mrs. O. Bradt, var.	5.00	Wm. Scott, pink	1 00
Glacier, white, fine	4.00	Lizzie McGowan	1 00
Gen. Maceo, best crimson	$5.00 per 100		
Mrs. Jas. Dean, fine pink	3 00 per 100		
Nephrolepis, Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12.00 per doz.			

Cash please. **CARL HAGENBURGER,** West Mentor, O.

PRIMROSES, from 3 and 3½-in. pots, 75c. per doz., $5.00 per 100.

ALTERNANTHERA, $4.00 per 1000.

E. I. Rawlings, Wholesale Florist, QUAKERTOWN, PA.

Nahant, Mass.

Those who have never visited Thomas Roland should see in their mind's eye a small tract of land far out to sea, connected with the mainland only by a thread-like roadway, and with the ceaseless waves beating upon the rock-bound coast; such is Nahant, the home of Roland, whom everybody in the Boston market knows and likes. Paying a recent call, I found him taking every advantage of the mild weather to complete two houses which will bring his range of glass up to about 20,000 feet. The establishment is mainly devoted to carnations and violets and the latter are without exception the finest I have seen this season. Marie Louise is grown for quality, Camphell for quantity and Princess of Wales for single. The principal varieties of carnations are White Cloud, Mrs. Bradt, Daybreak, Frances Joost, Eldorado, New York, Mrs. Jas. Dean, Scott and last, but grandest of all, G. H. Crane; as grown here it is certainly the best scarlet to date and a splendid keeper. White Cloud and Eldorado are fitting companions for Crane here but Mesdames Bradt and Joost do not stand up as well, although they are fine. Daybreak, I must say seems to be going backward. New York is rather pleasing but everywhere I notice that the edges of the petals have a bleached out appearance.

TAP.

DIELYTRA SPECTABILIS (Bleeding Heart), good roots *Note my low rate on this fine, old-fashioned plant now so scarce—don't miss this chance. Per 100 $7.00 Per 1000 $60.00

CLEMATIS JACKMANNI, two year, from pots 25.00

VALLEY, 3 year pips, extra selected, true Berlin 1.50 12.00

LILIUM HUMBOLDTI, heavy bulbs of this beautiful and rare lily 17.00

PAEONY, Francois Ortegal, the best crimson for cutting 8.50

FEATHERED HYACINTH, or Purple Mist, (Museari) 1.00

SPANISH IRIS, Wm. III. and British Queen 1.00

GEO. C. WATSON, Seedsman,
Importer and Exporter of
GRASS AND GARDEN SEEDS, BULBS,
Mushroom Spawn,
Raffia, Fertilizers and Forcing Stock.
Office & Salesroom, Juniper St., below Walnut,
PHILADELPHIA, PA.

SPECIALTIES IN BEST ....VARIETIES
ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.

PERU

A New
Pure Glistening White

CARNATION

Well Tested,
Has Proved a Great
Success
Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
MRS. BRADT	4.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
PAINTED LADY	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50

	Per 100	Per 1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With **18,000 stock plants** to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000.
Price list of standard vars. ready now.

ALBERT M. HERR, Lancaster, Pa.

CARNATIONS.

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY.

G. H. Crane, Morniog Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts.

Mrs. Geo. M. Bradt for March Delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. Dorner & Sons Co.,

LAFAYETTE, IND.

100,000 R. C--No Discount.

CARNATIONS, Ready.

Per 100	
Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10.00
Olympia, variegated	12 00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	5.00
America, scarlet	4.00
Melba, light pink	3.00
Mrs. Geo. M. Bradt, variegated	3.00
Glacier, white	3.00
Maud Adams, dark pink	3.00
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3.00
Argyle, pink	1.50
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1.00
Flora Hill, white	1.25
White Cloud, "	2 50
Mary Wood, fine white	3.00
Jubilee, scarlet	1.25
Psyche, variegated	1.00
Morello, dark scarlet	1.00
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

Carnations. ROOTED CUTTINGS

SEND FOR PRICES.

ALL THE NEW AND STANDARD VARIETIES.

Geo. Hancock & Son, Grand Haven, Mich.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEEO as usual.

C. SOLTAU & CO.,

99 Grant Ave.. JERSEY CITY, N. J

CHICAGO CARNATION CO.,

The Great and Only Carnation Specialists

CUTTINGS NOW READY.

	Per Doz.	Per 100	Per 1000.	Blooms.
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$10.00	$75.00	4c each.
Chicago, scarlet Bradt	1.50	7.50	60.00	4c "
Mrs. Lawson, cerise pink	3.00	14.00	120.00	
Olympia, variegated	2.00	12 00	100.00	
Ethel Crocker, pink	1.50	10.00	75.00	

	Per 100	Per 1000	Blooms
Frances Joost, pink	$2.50	$20.00	3c each
Mrs. Jas. Dean, pink	2.50	20.00	4c "
John Young, white	2.50	20.00	4c "
White Cloud, white	4.00	30.00	4c "
Mrs Bradt, variegated	5.00	40.00	4c "
Gen. Maceo, crimson	6 00	50.00	4c "
Gen. Gomez, crimson	6.00	50.00	4c "
G. H. Crane, scarlet	6 00	50.00	4c "
Gold Nugget, yellow	2.50	20.00	4c "

	Per 100	Per 1000	Blooms
Argyle, carmine	$2.50	$20.00	4c each
Jubilee, scarlet	2.00	15.00	4c "
Armazindy, variegated	2.00	15.00	2c "
Evelina, white	2.00	15.00	2c "
New York, deep pink	2.00	15.00	2c "
Wm. Scott, pink	2.00	15.00	2c "
Victor, pink	2.00	15.00	2c "
Daybreak, light pink	2.00	15.00	2c "
Flora Hill, white	2.00	15.00	3c "

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00

	100	1000
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO VAUGHAN'S SEED STORE NEW YORK

"MACK RICHMOND"

The Red Carnation. A Sport from Tidal Wave.

We know there have been many red sports from Tidal Wave, but we claim that this one is the peer of its class.

We have grown it for three years, and under the careful selection of our foreman, Mr. Mack Richmond, it has improved each year.

It is not the only red, nor is it the largest, but it will outbloom any carnation ever grown by us, and we have grown a few.

The flowers are borne upon strong, stiff stems, never bursting, entirely free from rust and a splendid grower. Come and see it growing--it may astonish you.

NOW READY; $6 per 100, $50 per 1000.

HALLIDAY BROS., 11 East Baltimore Street, BALTIMORE, MD.

CINCINNATI IS HEADQUARTERS FOR CARNATION CUTTINGS.

We have them in both Quality and Quantity.

200,000 in sand and soil to back up what we say. Send a list of your wants and let me price it.

WHOLESALE LIST READY.

WM. MURPHY, Carnation Specialist, - - - Station F, Cincinnati, O.

Syracuse, N. Y.

On a recent Saturday evening a party of florists from Syracuse visited Utica and was entertained by Utica florists. An elaborate collation was served, and toasts were responded to by many of those present. Later in the evening the Syracusans and their hosts engaged in a bowling contest at the Maennerchor alleys. After a close and exciting game the Uticans won by a small margin. Those present from Syracuse were R. H. C. Bard, David Campbell, George Ham, Richard Davis, Charles A. Fox, W. B. Dow, Joseph Huller, Henry Burt and Charles Smiley. The Utica florists will visit this city in the near future.

FORT WAYNE, IND.—Alice M. and Clara Flick have invested $4,000 in a lot adjoining their recent purchase and upon which they propose to shortly erect a building for their florist business.

.....It's a "CATBIRD"

Was the exclamation of one of the best growers in the west when he discovered this sport, four years ago. By carefully handling it, and not over-propagating it, we are now able to offer to the trade a clean, healthy stock of the best

Red Carnation

On the market, for both grower and retailer. Not quite as large as Crane or Jubilee, but an intense red, on long, stiff stems, averaging **Sixty-five Blooms** to the plant. Received honorable mention at the Carnation show in Chicago January 19. Rooted Cuttings, $2.50 per 100; 2-in. pots, $3.50 per 100.

LAKE GENEVA FLORAL CO.,
LAKE GENEVA, WIS.

Please mention the American Florist when writing.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

ROOTED CUTTINGS OF NEW AND STANDARD

CARNATIONS

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Pa.

Following ROSES
in 2 and 2½-inch pots, now ready to ship.
Perles, Woottons, Kaiserins, Maids, Beauties.
Those in 2½-in. have been shifted from 2s and are about ready for 3s.
A special in BOSTON FERNS in 5-in. pots. Write

GEO. A. KUHL, Pekin, Ill.

GIVE US LIBERTY!

will be the cry when the plants are all sold. Order at once.

Robert Scott & Son,
SHARON HILL, Del. Co., PA.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

THE NEW PINK CARNATION

"Mrs. Bertram Lippincott."

(Originated and grown for the past four years by John Kuhn, Philadelphia, Pa.)

The mere fact that this variety is a cross between "Daybreak" and "Scott" is a sufficient guarantee and should recommend it to every grower throughout the land as the **only** carnation that will be sure to yield good returns. Its pedigree, however, though much in its favor, is by no means its strongest point or recommendation. **"Mrs. Bertram Lippincott" is possessed of many good points** of its own and is being introduced upon **its own merits.** The meritorious points in its favor are:

1st **FORM.** The very acme of perfection. Full, well rounded, and double, with a calyx that never bursts.

2d. **COLOR.** A soft, rich pink, a shade darker than Daybreak—a color that "takes" or sells at sight.

3d **SIZE.** 3 to 3½ inches in ordinary soil—with chemical fertilizers this size can still be increased.

4th. **STEM.** Of the Daybreak type, averaging from 2 to 2½ feet

5th. **HABIT.** Exceptionally strong and healthy. Has never been known to be a victim to rust or any other disease.

6th. **KEEPING QUALITIES.** No other carnation can surpass it in this respect.

7th **ITS STRONGEST POINT.** It crops from the time it is housed until it is thrown out. No "between season," no "let up." In a word, it is the carnation you want to grow.

STOCK NOW READY.

We control the whole stock of this valuable carnation. Orders will be filled in strict rotation as booked.

PRICES: $2.00 per Doz.; $10.00 per 100; 25 and over at 100 rates; $75.00 per 1000; 250 and over at 1000 rates.

PLEASE LOOK FOR EXHIBIT OF CUT BLOOMS AT THE BUFFALO CARNATION SHOW, FEBRUARY 15th and 16th.

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Our Carnation Cuttings are made from selected stock and are guaranteed free from disease, and first-class in every particular. Prices are as low as good stock can be produced for.

	Per doz.	Per 100	Per 1000
MRS. THOS. W. LAWSON, Cerise Pink	$3.00	$14.00	$120.00
Olympia, variegated	2.00	12.00	100.00
Ethel Crocker, pink	1.50	10.00	75.00
Genevieve Lord, light pink	2.00	10.00	75.00
Chicago, Red Bradt	1.50	7.50	60.00

	Per 100	Per 1000
Gen. Maceo, crimson	$6.00	$50.00
Gen. Gomez, crimson	6.00	50.00
G. H. Crane, scarlet	6 00	50.00
America, scarlet	5.00	40.00
Mrs. G. M. Bradt, variegated	5 00	40.00
White Cloud, white	4.00	30.00
Evanston, deep pink	2 50	20.00
Mrs. Frances Joost, pink	2.50	20.00
Mrs. James Dean, pink	2.50	20.00
Gold Nugget, yellow	2.50	20.00
John Young, white	2.50	20.00
Jubilee, scarlet	2.00	15.00

	Per 100	Per 1000
New York, deep pink	$2 00	$15.00
Victor, pink	2.00	15.00
Flora Hill, white	2.00	15.00
Triumph, pink	2.00	15.00
Argyle, pink	1 25	10.00
Armazindy, variegated	1.25	10.00
Daybreak, light pink	1.25	10.00
Evelina, white	1.00	7.50
Lizzie McGowan, white	1.00	7.50
Wm. Scott, pink	1.00	7.50
Portia, red	1.00	7.50

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As the largest growers of this rose in the world we offer two-eyed **ROOTED CUTTINGS** at **$2.50 per 100** by mail and we pay the postage. Large contracts solicited.....

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The finest of all Ageratums, planted outside attains height of 6 to 8 inches, bushy, compact growth, early and continuous bloomer throughout the entire summer. Color is the deepest blue. Admired by all who saw it at our greenhouses. Per dozen, $1.25; per 100, $8.00. March.

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Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**

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Send for List of Commercial Varieties.

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ASPARAGUS SPRENGERII Large plants ready to shift into 4-inch pots, $8.00 per 100.

PRIMULA OBCONICA HYBRIDA Very choicest strain; 3-inch pots, ready to shift. Will make fine stock for Easter trade, $3.00 per 100.

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$4 PER 100.

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SPECIAL LOW PRICES ON NOVELTIES, ETC.

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."

IN 3 COLORS, PINK, WHITE, BLUE.

If put in pans for Easter Blooming, will bring $1 00 Each!!

The strongest growers. The freest bloomers. The longest sprays. Brings double the price of any other. **Large clumps, ready to divide,** $4 per 100 or 25 for $1.00 by express. Smaller ones by mail prepaid, same price.

ASPARAGUS SPRENGERI 2½-inch, $4.00 per 100; 3½-inch, $7.00.

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Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

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Novelty introduced by Mr. Lemoine last year at $2 per plant. Large spikes of feathery flowers, *very fragrant.* Excellent for Easter. $1.50 per 12; $10.00 per 100.

NEW BUDDLEIA VARIABILIS (Chinese Lilacs).

Fine long sprays of sweet-scented flowers, good for forcing. Strong clumps, $1.50 per 12, $10.00 per 100.

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Stands 20 degrees below zero!! Dense clusters of sweet-scented pink flowers; immense foliage, highly ornamental. *Bulblets,* 50c per 12, $2.50 per 100, mailed.

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Glowing double scarlet, best of all summer bloomers, $1.50 per 12, $12 per 100, mailed.

NEW SWEET-SCENTED CALLA. Mr. Burbank's 1000-dollar Calla. Blooming size, $1.25 per 12, mailed.

GENUINE EDELWEISS FLOWERS!! Last forever, 25c per 12; $2 per 100, mailed. Plants, $1.25 per 12.

NEW YELLOW CALLA, LEMON GIANT.

Leaves 2 feet long, 1 foot wide, immense yellow flowers; large bulbs, $6 per 12, mailed.

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PRIMULA OBCONICA GRANDIFLORA HYBRIDA. $4 per 100, 60c per 12.

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KALANCHOE FLAMMEA Is said to be worth that much to its introducer!! **OUR KALANCHOE CARNEA** is similar in every respect excepting the color, which is *chrome yellow* instead of orange scarlet, a continuous bloomer, fine ornamental foliage, $2 per 12, mailed.

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Baby Primrose, in bloom	$5.00 per 100
	Per 12
Browallia Jamesoni (Orange Violet)	$1.00
Cyperus Alternifolius	.50
Caryopteris, new white	1.00
Chiidsia Wercklevi, orange	2 00
Clematis Paniculata, strong	1.00
New Deutzia Lemoine Corymbosa	2.50
New Golden Feather Elder	2.50
New Hibiscus Archeri	1.25
New Incarvillea Variabilis	1.00
New Incarvillea Delavayi	2.50
New Russellia Elegantissima	2.00
New Ruellia Makoyana	1.00
New Salvia Lemoinei, fine	1.25
New Tropæolum Phoebe	1.00
New Moss Verbena	.75
New Pampas Lily of the Valley	1.00
Agapanthus, double blue	1.50

	Per 12
Amaryllis Formosissima	$ .50
" Longiflora, pure white	1.00
" Veitch's seedlings, inbred	5.00
	Per 100 Per 12
Begonias, single	$2.00 $ .40
" double	4 00 .75
Caladium Esculentum	2.00 .50
Caladium, fancy leaved	6.00 1.00
Cannas, in variety	1.50 .50
Cyclamen, hardy sorts	4 00 .60
Dahlias, 500 sorts	4 00 .75
Gloxinias, named sorts	4.00 .60
Irises, German and Japanese	2.00 .50
Lilium Longiflorum, plump	6.00 1.00
Oxalis in sorts	.30
Pancratium (hardy) white	3.00 .50
Zephyranthes Rosea	2.00 .30

Send for list of other new Plants and Bulbs.
25 at 100 rate; add 10% on dozens if mailed.

A. BLANC & CO., Philadelphia.

GERANIUM

America, strong plants.....50c each, $5.00 per Doz.
Geranium **Mars,** strong plants.....$5.00 per 100.
Geranium, Set of the best 14 Novelties of 1899.
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Dreer's Strain in bud, from 4-in. pots	$5.00
From 5-in. pots	8.00
BLOOMING BEGONIAS, including Vernon in 3 shades, 2¼-in. pots	2.00
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PRIMROSES in bloom, from 4-in. pots; doz., 75c	
COLEUS, R. C.	60c per 100; $5.00 per 1000
ALTERNANTHERA, red and yellow, 100 50c; 1000 $5	

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We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

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Orchid Growers and Importers.

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Large-flowering strain	1000, $2.50, $ .50
OXALIS floribunda, 2-inch pots	2.50
100 each BRIDES and MAIDS, 2½-in. pots	2.50
GERANIUMS, 16 varieties, 2½-inch pots	3.00

CASH WITH ORDER.

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Burlington, Iowa.

Joseph Bock has what might well be called ideal greenhouses. The structures, which are about twelve years old, have all the appearances of new ones because of their excellent state of repair. The plant consists of 10,000 feet of glass. In connection he has a two horse-power gasoline engine and pump with a capacity of forty gallons per minute, the cost of running which is 14 cents for ten hours. His stock is all first-class. From 720 Bride and Bridesmaid plants the cut during the months of October, November and December was 7546 roses. During the same time the cut from 240 Beauties was 1270 buds. He has one house devoted to violets, which is a perfect mass of bloom. Much credit is due Harry Bock, as he has full charge of the growing. Mr. Bock will build another carnation house 18x70 this spring. S.

EATON, O.—D. A. Bringman has succeeded E. M. Hyatt.

Gladioli

BY THE 100,000.

PEERLESS STRAIN—A fine strain of select seedlings, about 50 to 70 per cent light shades. Recognized as a superior mixture, in fact, the best that grow.

PREMIER STRAIN—A choice strain of good seedlings; fully 50 to 60 per cent light shades; just what every florist should plant for cut flowers for the hot summer months when flowers are scarce.

POPULAR STRAIN—A choice strain of good stock; fully 50 to 60 per cent light shades, but of 1st and 2nd size bulbs.

WHITE AND LIGHT—A choice strain of white and light shades suitable for design work of any kind. Especially selected for florists's use.

LEMOINEI STRAIN—A select lot of seedlings of this grand type so popular with many people.

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Special low prices to close out our surplus. Write us for prices.

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WE OFFER NOW a big variety of choicest forcing bulbs, in pans, ready to open. Cut blooms by hundred or thousand.

AZALEAS, best selling sorts in bud or bloom.

Lowest Wholesale Figures.

WM. S. EWELL & SON,

Telephone Connection. **38 Wayland St., ROXBURY, MASS.**

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Jersey Wakefield and other vars. from cold frames, transplanted, 25c per 100; $1.50 per 1000; $12.50 per 10,000. If by mail add 20c per 100.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

PEPPER, small plants for transplanting, in several varieties; 25c per 100, $2.00 per 1000. Add 10c per 100 if by mail.

EGG PLANTS, New York Improved, for transplanting, 25c per 100; $2.00 per 1000.

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Other vegetable plants in season. *Cash with order.*

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For Potting Up Now, For Easter Flowering.

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes } 100, 20.00
2 year old Budded stock, 3 ft. canes ..... Doz., $2.00 100, $15.00

American Beauty 2 year budded.....100, $15.00
Kaiserin A. Victoria, 2 year budded.... " 15.00
Mad. Caroline Testout, 2 year budded... " 15.00

Hermosa, extra strong Holland grown 2 year Own roots. 100, $13.00
Hermosa, Own roots French grown..... " 8.00
Clothilde Soupert, 2 year field grown ... " 10.00

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jack. — John Hopper. — Baron Bonstettin. — Paul Neyron.
Coquette des Alps. — Mad. G. Luizet. — Anna de Diesbach. — Magna Charta.
Ulrich Brunner. — Prince C. de Rohan.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild. — Mad. G. Luizet. — Malmaison. — La France.
Gloire Lyonnaise. — Mrs. John Laing. — Fisher Holmes. — Coquette des Alps.
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Boule de Neige. — Anna de Diesbach. — Perle des Blanches. — Mabel Morrison.
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Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc,, in large quantities. Send for prices.

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HOME GROWN PALMS

		Pots	Per doz.	Per 100
Kentia Belmoreana		3-in.	$3.00	$23.00
" "		4-in.	5.00	40.00
	Size Pots.	Char. Leaves.	High.	
" "	5,	5-7	18-24,	$9-$12 $70-$90
" "	6,	7-8	20-25,	18 144
" "	7,	7-8	36-40.	30-36 240-290
Kentia Forsteriana,	3-in. $2.50 per doz.; $20 per 100			
" "	4-in. $5.00	"	$35	"
" "	5,	5-6	24-30,	$9-$12 $75-$95
" "	6,	7-8	25-30,	18 144
" "	7,	7-8	35-42,	28-30 225
" "	8-9	7-8	$3.00 to $4.00 each.	
Latania Borbonica, 2½-in.			.60	5.00
" "	3-in.		1.25	10.00
" "	4-in.		3.00	23.00
" "	5,	5-8	15-20,	5.00 40.00
" "	6,	6-8	16-24,	8.50 65.00
" "	7,	6-8	18-24,	12.00 90.00
" "	8,	7-8	28-34,	22.00 175.00
" "	9,	7-9	28-36,	34 00 272.00

Ficus Elastica, 5-inch, doz. $5.00; 6-in. $8.00 doz.
Livistona Rotundilolia, 7 in., 12-14 leaves, $2.50 to $3.00 each. **Pandanus Veitchii,** 4-in. to 14-in., 50c to $10 each. **Boston Ferns,** 5c to $2.00 each.
Cycas, Dracænas, Asparagus, etc., in large variety.
We have over 150,000 Tropical Plants. Terms cash, but inspection allowed at express office.

ALBERT FUCHS,
2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

Pteris Deweyana.

A most desirable new fern, now offered for the first time by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds, erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts; hard, and grows very freely from spores.

12 Fine Plants, 3 inch pots ..... $ 3.00
100 " " " " 20.00
12 Good Plants, 2 inch pots..... 2.00
100 " " " " 15.00
Six latter mailed, $1. With balls of roots undisturbed.

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GOOD HOPE. WASHINGTON, D. C.

NAMED VARIETIES OF GERANIUMS.	Per 100
S. A. Nutt, J. Y. Markland and La Favorite, from 2¼-inch pots	$3.00
4 inch pot Vinca Vines	6.00
3 " " " "	4.00
Rooted Cuttings Vinca Vines (from flats)	1.50
3 inch pot Primroses, in bud and bloom, ready to repot	4.00
2 inch pot Primroses, in bud and bloom, ready to repot	2.00
2 inch pot Smilax plants	2.00

Cash with order or C. O. D.
WM. A. CLARK & SON, 59 State St., Watertown N. Y.

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VERBENA KING.

The largest Verbena grower in the world (Bros. & Sisters); we have them, too, the very best mammoth named vars. on earth and sure to please you at the following prices—60c. per 100, $5.00 per 1000; 5000 for $22.00, 10,000 for $40.00. Write for prices on larger lots.

Look here! we pay express charges on all Rooted Cuttings, and beside, we guarantee satisfaction in every shape or manner and we will do it for

Carnations-Rooted Cuttings.

Flora Hill—$1.50 per 100; $14.00 per 1,000.
Lizzie McGowan—$1 00 per 100; $9.00 per 1,000.
Wm. Scott—$1.00 per 100; $9.00 per 1,000.
AGERATUM—Cope's Pet, blue; Lady Isabel, white; 60c per 100; $5.00 per 1,000.
COLEUS C. Verschaffeltii and Golden Bedder, all money makers. R. Cuttings 70c per 100; $6.00 per 1,000.
DAISIES California, White, Yellow Castle, Yellow, the best all-round Daisies, both stand the heat and dry weather. Well-rooted Cuttings, $1.00 per 100; $9.00 per 1,000; 2 in. strong, $2.00 per 100 Send for list. THAT CASH, PLEASE.

We pay the express on all Rooted Cuttings. Our guarantee goes with everything we send out.

C. Humfeld, Clay Center, Kans.

Please mention the American Florist when writing.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN.

Orders booked for small plants for April delivery, at $5 per 100; $40 per 1000.

A few of the larger sizes on hand for immediate delivery.

EDWIN LONSDALE,
P. O. Address for the time being:

Money Order office same as heretofore, **Chestnut Hill (Sta. B.) Phila., Pa.** **WYNDMOOR, Montgomery Co., PA.**

Please mention the American Florist when writing.

ROBT. CRAIG & SON
Roses, Palms
and Novelties in Decorative Plants.
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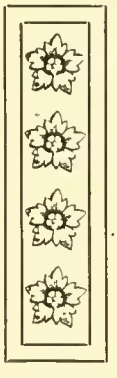

The lists of Gardeners, Horticulturists, Landscape Architects and Supply Concerns are absolutely new in this Edition, that of Gardeners alone containing over 700 names.

Price $2.00, Postpaid.

AMERICAN FLORIST CO., 324 DEARBORN STREET, CHICAGO, ILL.

Worcester, Mass.

With fairly good weather, trade has remained steady. Flowers are fairly plentiful, with the exception of roses, which are a bit short in the better grades, but there is plenty of good stock in sight. Carnations retain their popularity and, though the department stores and a few imitators advertise fresh carnations at 19 cents a dozen, the best stores get 50 cents to $1 per dozen. Violets are in good supply and demand is equally good. Princess of Wales is coming very fine and is the popular variety this season. Bulbous stock in pans is being brought in regularly and meets with a ready sale. Azaleas are also handled, but in smaller numbers.

The winter meetings of the horticultural society, held weekly in their hall, have proved very interesting and instructive.

As yet but one or two growers have expressed their intention of going to Buffalo; they will probably join the Boston party. A. H. L.

JACKSONVILLE, ILL.—Joseph Heinl has ordered 500 boxes of glass for use in his extensions this spring.

FERNS...

Fine stock, 2¼-inch pots, **Cyrtomium falcatum**, $4.00 per 100; $35.00 per 1000. **Pteris serrulata cristata compacta**, $3.50 per 100: $30.00 per 1000. ☞ Special prices on large quantities.

GARFIELD PARK FLOWER COMPANY,
1688 W. Madison St., CHICAGO.

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600 Cyclamen Persicum Giganteum

In bud and bloom, all excellent plants at $12.00 per 100.

JOS. LABO, Joliet, Ill.

CINERARIAS

For Easter Flowering.

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors, fine, stocky plants, 2¼-in., $2 per 100; $5.00 per 300. 3 in., $3.00 per 100. 4 inch, $1.00 per doz.

SHELLROAD GREENHOUSE CO.,
Grange P. O., Baltimore, Md.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct.
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ARECA PALM LEAVES

Dried and pressed for Prepared Palm makers. Very best quality; 50 000 ready for shipment, freight or express, at a moment's notice.

PRICE $15 per 1000. ASSORTED SIZES.

Also on hand large quantities of dried and pressed Cycas, Chamadorea, Palmetto, Thrinax, Chamærops and Sabal Leaves at lowest rates.

FLORIDA NATURAL PRODUCTS CO.,
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BEST AND Cheapest ALL-ROUND INSECTICIDE on the Market.

"ROSE LEAF" INSECTICIDE — EXTRACT OF TOBACCO

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000.

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

...SPECIAL...

ROOTED CUTTINGS.

Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000.

50,000 Verbenas, 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000. Strong, 2-in., $2.00 per 100; $18.00 per 1000; full of Cuttings, elegant stuff.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

1,000 Paul Bruant, the best, semi double scarlet Geranium, extra strong, 2½-inch, 3c.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.50 per 100.

Fuchsias, best sorts, $1.50 per 100. Vinca Major, $1.00 per 100,

Smilax, strong, 2½-inch, $1.50 per 100, 2-inch, $1.00 per 100. Seedlings, big bushy plants, fit to plant right out, 50c per 100; $4.00 per 1000, delivered.

500 Cinerarias, 2½-inch, $2.00 per 100.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1 00 per 100.

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Verbenas, 75,000 now ready, twenty-six varieties............100, 60c.; 1000, $5.00; 5,000, $25.00
New Daisies, (or Marguerites), the best that have ever been introduced. Try a few of them and find out for yourself.
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Doz., 20c; 100, $1.00; 1000, $9.00
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Ageratum Princess Pauline
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Heliotropes—three fine varieties.
Doz., 20c.; 100, $1.00; 1000, $9.00
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	Per 100
Perfection Winter-blooming Forget-me-not, from flats	$1.50
from 2¼-inch pots	2.00
from 2½-inch pots	2 50
Ageratum, white and blue, rooted cuttings	.75
" " " strong, from flats	1.00
" " " from 2 and 2¼-inch	1.50
Paris Daisy, white, strong, from flats	1 50
Double Alyssum. " "	1.50

CASH WITH ORDER, PLEASE.

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October Potted Plants

			Per 100
10000	**Chinese Primulas,** fine	2¼-in.,	$1.00
40000	**Alternantheras,** 4 varieties	2¼-in.,	1.50
5000	**Feverfew Little Gem**	"	1.50
2000	" yellow foliage	"	1.50
10000	**Coleus,** 15 varieties, fine	"	1.50
10000	**Begonias,** 15 " "	"	1.50
2000	**Forget-Me-Not,** winter bloomer	"	1.50
2000	**Obconica,** extra strong	"	2.00
2000	" " "	3¼-in.,	3.00
2000	**Iresines,** red. "	2¼-in.,	1.50
1000	**Mesembryanthemum Erectum**	"	1 50
1000	**California Moss**	"	1.50
	Clara Bedman	"	2.00

5 plants at 100 rates.

CASH. We have only what is in this ad. for sale.

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GERANIUMS. A few thousand left, in 2¼-in. pots, at $30 per 1000; $3 25 per 100: S A Nutt, LaFavorite, Richard Brett, Marguerite de Loys, Mrs. Jas. Garr, Mrs. E. G. Hill, Alphonse Ricard, Wonder, Granville, Rev. Atkinson and Rose Geranium. Also Rose Geranium cuttings at $2 per 100.

Mme. Salleroi Geraniums in soil, $1.50 per 100; $12 00 per M.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots, $1.25 100.

AGERATUM, Blue and White, 75c per 100. Princess Pauline, $1 00 per 100.

GIANT ALYSSUM, $1 00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 100.

CUPHEA (Cigar Plant), $1 00 per 100.

FUCHSIAS, $1.50 per 100; 2½-in. pots, $3 00 per 100.

FEVERFEW, $1.50 per 100; $12.00 per M.

VINCAS, $1 25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M Fine plants.

The above are rooted cuttings, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

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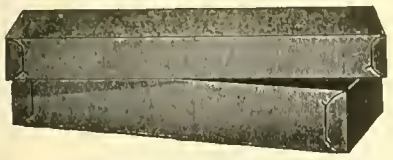

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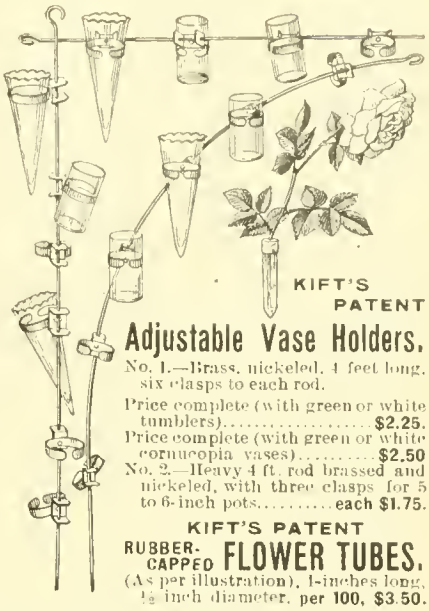

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Baltimore.

A DIFFERENCE OF OPINION.—STATE OF THE MARKET.—MRS. HILL MEETS AN ACCIDENT.—AN ARTIST'S SUCCESS.—DOINGS OF SEIDEWITZ.

Market men, without exception, complain of slow sales since Christmas. The store people generally seem a little more cheerful, as there was a great run of receptions and balls last week. Roses are not at all plentiful, but the supply of carnations would be hard to beat in either quantity or quality. Good smilax is scarce. Plenty of freesias are to be had, and some very good white chrysanthemums. Violets are becoming almost too plentiful.

Mrs. Fanny R. Hill's many friends will be sorry to learn that she met with a very painful accident. In alighting from a street car near Messrs. Feasts' store, where she has charge, she stepped on ice and fell, breaking her wrist.

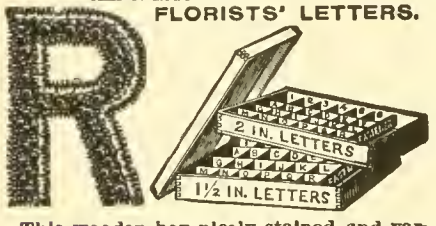
Mrs. Otto Schuler's son, Hans, who is at the Academie Julienne in Paris, has taken three first prizes at three consecutive exhibitions of sculpture and considering the closeness of the competition and the ability of the judges in that city of art, Mrs. Schuler is justified in her pride at his success.

Mayor Seidewitz, of Annapolis, was in town the other day. Municipal cares have not lessened his avoirdupois, nor abbreviated his smile. His plan of making a stock company of his business, will give him much more time to enjoy the dignity and honor of the mayoralty.

MACK.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



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Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
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During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our

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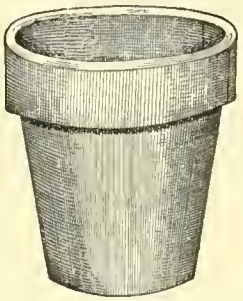

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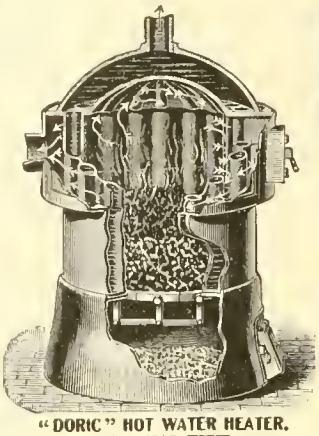

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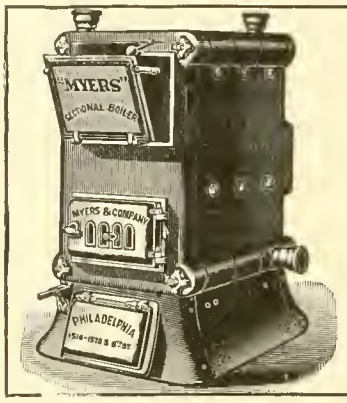

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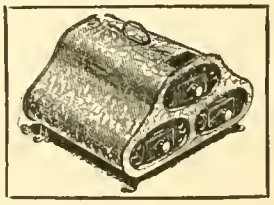

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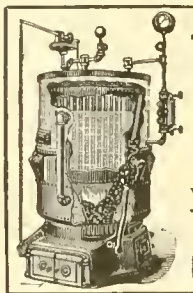

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OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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AMERICAN CARNATION SOCIETY.

NINTH ANNUAL CONVENTION, BUFFALO, N. Y., FEB. 15 and 16, 1900.

Scenes in and about Morgan Hall, where the flowers were being staged for exhibition, gave indication early on Thursday morning that the meeting of 1900 was to be the banner event to date in the history of the American Carnation Society. Outside the rapidly falling snow and increasing wind, together with the absence of a number of expected participants, recalled vividly the big blizzard that so seriously impeded matters at the meeting one year ago, but it was only a suggestion, and serious difficulties were not anticipated. Crowds gathered round the tables and commented upon the striking points of the big beauties as they were carefully arranged in the vases by their owners, and this, with hand shaking and friendly greetings between old friends, occupied the time till at 11 a. m., when Mr. Scott, in stentorian voice, announced that all were requesed to convene in the meeting room in the Genesee Hotel, next door, and get ready to open the formal business of the convention.

About one hundred gentlemen filled the comfortable little hall when Mr. Scott called the meeting to order and introduced Dr. Conrad Diehl, Mayor of Buffalo. The mayor said that he wished he could speak as forcibly as he felt the pleasure it afforded him to welcome the carnation society to his city. He was sure the deliberations would be beneficial to the members and to mankind. Their efforts in creating a love for plants and flowers would result in making the world better and men better citizens. As a physician he paid a touching tribute to the influence of flowers in the sick room, which brought comfort and pleasant thoughts to the invalid, whether rich or lowly. He extended the best wishes and freedom of the city of Buffalo to all the visitors and asked them to remember the great exposition to be held in 1901, and to use their influence to bring the S. A. F. convention here at that time, so that the horticultural department might be, as was hoped, the leading feature of that great event.

John N. May responded briefly on behalf of the carnation society, saying that he knew from many past experiences the meaning of a Buffalo welcome and assuring his hearers that Buffalo can hold up her end as well as any city in the Union. He recalled a visit of twenty years ago and commented on the marvelous advancement seen in the noble and progressive city, as well as the equally striking evolution seen in the carnation flowers on exhibition to-day as compared with the diminutive flowers that were common twenty years back. He thanked the Mayor for the kind hospitality extended and for the honor of his presence, promising on behalf of the florists that the Pan-American Exposition would not be forgotten.

President Kasting then said a few words of welcome on behalf of the Buffalo Florists' Club and was supplemented by Mr. Scott, who recalled the meeting here of the carnation society nine years ago, facetiously advising the visitors not to take the Mayor's offer of the freedom of the city too literally, but advising those who wished to put it to the test to place themselves confidingly in the hands of Messrs. Fancourt, Kasting and Rebstock.

President W. P. Craig then assumed the chair and appointed tellers to distribute, receive and count ballots for six judges of the exhibition. While the tellers were at work payment of dues was in order, and Mrs. Herr, the cheery little associate secretary, gave assurances later on that the number and alacrity of the responses were far ahead of anything heretofore in the history of the society. The secretary read the minutes of the previous meeting and the reading of the annual address of the president then followed.

The suggestion in the address regarding the change in points for judging was here briefly discussed. Mr. May emphasized its importance from the retailers' point of view. Mr. Hill saw many difficulties in putting the plan proposed into practice. He remarked that keeping qualities in a flower are largely a matter of growing, soil and temperature as may be easily seen by comparing the product of different growers of the same variety. He said that if double judging should be followed at these annual meetings the judges must necessarily take cognizance of the time a flower had been cut before they could arrive at a just con-

clusion and that some system of time allowance for exhibits from a distance would be imperative. Mr. Witterstaetter agreed that all depended on how a flower had been grown and how cut, and thought that the points given to substance, in the schedule fully covered the point, stating that a certain number of his own flowers now on exhibition had been cut in January. Mr. Hill created much merriment here by stating that he had visited Mr. Witterstaetter's cellars and had noted a certain volatile atmosphere that seemed to give the place preservative qualities of a high order, with which the many casks stored therein migh have something to do. Here the tellers appeared and Chairman Dillon reported names of judges as follows:

On seedlings, Messrs. Wm. Scott, W. N. Rudd and Adam Graham.

On commercial classes, Messrs. F. Burki, J. M. Gasser and W. J. Palmer, Sr.

It was voted that the exhibition hall be closed between the hours of 2 and 4 p. m., while the judges are at work, and adjournment was ordered at 12:30, to reconvene at 2 p. m.

The first business at the afternoon session on Thursday was the presentation of the report of the Lawson medal committee, by M. A. Patten. After receiving designs and bids from a a number of manufacturers one made in Boston was selected by Mr. Lawson and, with the unanimous approval of the committee, was ordered at a cost of $300. This included one medal each of gold, silver gilt and bronze and two silver. The report was accepted with thanks and the medals, which were passed around, were greatly admired.

Discussion of the proposition to incorporate a change in the judges' schedule recognizing the comparative keeping quality of seedlings exhibited for award was then resumed. Mr. Crabb expressed very radical views on the subject and thought that in addition to a certain number of points in the scale it should be required that a duplicate set of flowers be sent three days in advance of an exhibition and their condition noted at time of judging, in justice to those growers who might buy with a view to growing for the wholesale market. He further advocated some plan of visiting, by a committee, to ascertain the freedom of bloom of any variety which was to be placed on the market. Mr. Wittersaetter thought that as flowers with light, thin petals go to sleep most quickly, the feature of substance in the scale is sufficient to cover the point at issue. Rob't Craig's opinion was that the only way to ascertain the keeping quality of a variety is to try it and that no one can tell by examination whether a flower will keep or not, but Mr. Hill disagreed and attributed results to methods of culture, character of soil, etc., and thought that to attempt to determine such a quality in flowers on exhibition would be treading on dangerous ground.

Mr. Kasting believed that if flowers were cut at the proper time and kept in proper temperature afterwards there would be little trouble about keeping them and Mr. Herr agreed that there is as much or more art in picking as in growing carnations. Mr. Baur suggested cutting with a sharp knife in preference to picking and Mr. May attributed frequent trouble to overheating in transit. Mr. Murchie called attention to the tendency of the carnation to go to sleep as soon as hybridization is effected and the advantges of removing the pistil as soon as the flower has opened. Mr. Herrington, Mr. Weber and others joined in the discussion and then Mr. Crabb offered a motion which, as amended on motion of Mr. Craig, was adopted as follows: That a committee of five be appointed to revise the scale of points in such manner as to incorporate, if found practicable, the points raised in the discussion, also if any method could be devised to induce the express companies to handle cut flowers with more care than is now exercised and that the committee, if it be not able in a practicable way to determine the keeping qualities of a carnation by means of the scale of points, be instructed to report the means whereby said keeping quality may be determined.

The committee as appointed consisted of Messrs. G. F. Crabb, F. Dorner, Jr., J. L. Dillon, Wm. Weber and Jas. Hartshorne.

Mr. Hill expressed his opinion that express companies can be made to pay

CARNATION WEBER'S NO. 110.

for negligence in handling flowers if the society will only make a test case and put up a big fight in connection with the S. A. F.

The question of reduced railroad rates to the meetings was considered and Secretary Stewart, of the S. A. F., gave his experiences in similar cases, advising that an effort be made to secure one and one-third fare for the next meeting. Mr. Herrington spoke favorably of the possibility of arranging for union meetings with the rose society and Mr. Craig agreed with him that many advantages might be gained thereby. Messrs. May, Nicholson and Herrington were thereupon appointed a committee to bring about a conference with the rose society.

Peter Fisher was then called upon for some remarks on hybridization but declined. Mr. Witterstaetter also disclaimed any knowledge of the subject and declared most varieties now popular to be largely the result of accident, but he is keeping strict records and hopes to evolve something yet. Color, he said, appears to be more dependent upon the pollen parent, but habit and other characteristics are oftener taken from the seed parent. Mr. Dorner's experience was that results are mostly chance as far as color is concerned but that it is possible to work on blooming qualities and habit and Mr. Besold agreed with him.

Messrs. Wm. Scott, Adam Graham, E. G. Hill, J. N. May and Wm. Nicholson were appointed a committee to prepare a premium list for next year and at 4:30 the meeting adjourned until 7:30 p. m.

Reports of judges were read and accepted at the opening of the evening session. Mr. Hartshorne then read his paper on the merits of indoor culture.

Quite a lively discussion followed the reading of this paper. Mr. Dailledouze said that in his experience indoor culture favored quality slightly but outdoor culture gave quantity in ratio of three to one. He believed that if a man should want to grow carnation flowers for exhibition purposes he would do better under glass, as a rule, but that results varied and with some varieties there was no great difference in results either way. Triumph is the best under glass variety. Mr. Weber said that Buttercup was practicable only under glass all the time.

Mr. Ward, as the original advocate of indoor culture, said that he had found that the cut was much less in quantity than from field planting but the quality was decidedly superior. Mr. Hartshorne enumerated Jubilee and Maud Dean as good indoor varieties and Mr. Hill endorsed this as far as Jubilee was concerned and said the same was emphatically true of Evelina, but on the whole favored the out-door plan. Mr. May said he had found Mrs. Dean all right under glass but as to Olympia results were two to one in favor of plants lifted from field early in September. The slight advantage in quality would not compensate for disparity in cut. Mr. Scott also advocated field culture, even if only for three months, as the best course for the average carnation grower.

Mr. Marquisee advanced the view that the character of the greenhouses had much to do with results. Mr. Ward endorsed this and favored wide houses ventilated at sides and ends and with double ventilation at the top. Messrs. Hartshorne, Marquisee, Dailledouze and others participated in the discussion of this point, it being generally conceded that as low a temperature as possible in summer is essential to successful indoor culture, but a difference of opinion being evident as to the wisdom of syringing continuously to reduce temperature. A vote of thanks was extended to Mr. Hartshorne.

Nominations for place of meeting were then in order and Indianapolis, Baltimore, Detroit and Cleveland were severally nominated and eloquent and witty speeches made by the advocates of each place. A ballot was then taken and Baltimore won by a fair margin and amid much enthusiasm.

Nominations of officers were then made as follows: For president, Robert Halliday, Baltimore, Md.; vice-president, Wm. Weber, Oakland, Md.; secretary, A. M. Herr; treasurer, F. Dorner, Jr. There being no contest for any of the offices it appears that Baltimore and "Maryland, My Maryland" is decidedly "in it" this time.

Friday morning's session opened with a discussion of the best method of culture for plants grown outdoors for summer blooming and the question of varieties was also touched upon. Several members joined in recommending Portia,

Mrs. Fisher, Scott, Daybreak and New York. It was advised that cuttings be struck early, planted out in April and pinched back once.

The question of price cutting was broached and W. N. Rudd remarked that the only prevention lay in stimulating the fool killer to increased activity.

The subject of sub-irrigation proved a fruitful theme. C. W. Ward, who has given close attention to this matter for several seasons, stated that as yet he had formed no settled views, that he was compiling facts and proposed continued experiment along this line, but that it will take a long time to reach definite conclusions. At F. Dorner & Sons' they find varying results with different varieties grown by this method. Mr. Dorner uttered a caution against over-watering and stated that they do not feel encouraged to extend their experiments. Messrs. Weber, Dale and Rudd reported that they are following up sub-irrigation in a small way but have not as yet achieved any noteworthy results. Witterstaetter has trouble with the brick bottomed benches drying out too rapidly when heat is on the houses but John N. May stated that there would be no difficulty if the bricks are laid on a board foundation. He finds great benefit from a brick bottom in the propagating bench.

The question of consolidation with the rose society on the time of the annual meeting was very freely discussed and several objections were urged as more than counterbalancing the advantages. It was pointed out that deferring the carnation exhibition until March would interfere with the spring business of the rooted cutting men and that February is too early for a comprehensive exhibition of roses Mr May, for the committee, recommended a fusion of interests and some thought the plan would result in gain for both organizations, but others believe that it would cause a deplorable mutual interference, and the whole matter was finally returned to the same committee for further consideration.

An exhaustive discussion on rules then ensued, it being at length voted that 1 p. m. on the opening day be the time limit for staging flowers for competition, seedlings entered for certificates only being excepted. It was also decreed that entries must be in the secretary's hands on the Saturday prior to the exhibition, all later entries to pay a penalty of $1 each.

A discussion followed on the necessity of giving judges some official standard on which they shall base judgment and the arguments concerning objective or ideal standards culminated in the appointment of a committee of five to report, at the next annual meeting, instructions to judges and suggestions as to the establishment of standards for their guidance.

Mr. Scott, for the committee charged with the revision of the schedule, reported that modifications seemed advisable in the requirements to win the Michel cup. It was also recommended that the Lawson gold medal and silver medal be duplicated and a bronze medal added. It was further recommended that the sweepstake competition be omitted. The report was adopted and a motion prevailed that no variety be hereafter considered by the judges unless it bears either a name or seedling number.

A unanimous ballot was cast for the officers placed in nomination on Thursday.

At the afternon session Prof. F. A. Sirrine, of Jamaica, N. Y., read a paper on carnation pests, confining his remarks to insects that are pests of the forcing house, giving the habits and life history, methods of reproduction and depredations and known remedies against greenfly, red spider, thrips, cut worms, cabbage looper, white grub, rose leaf tyer, white ants, rose beetle, etc, illustrating his remarks with a number of photographs which were passed around among his audience. It developed in the discussion following the paper that cyanide of potassium in small quantities, such as one-half ounce to 1,000 cubic feet of air space, with houses closed all night, is as effective and less likely to result in harm than exposure to a stronger dose for a shorter time, also that low plants such as violets are less liable to suffer from it than are carnations and chrysanthemums, on account of the gas banking overhead. Several speakers had found Aphis Punk efficacious in the case of green fly, and highly recommend it, but some objection was made to its odor and it was represented to be rather expensive to use. A vote of thanks was given Prof. Sirrine for his valuable paper.

CARNATION MARY HILL

Fred Dorner, Jr., then reported for the committee appointed yesterday, that it was deemed impracticable to incorporate in the scale of points any recognition of keeping qualities of flowers, but presented for consideration a scheme for three judges in each large city to whom introducers of new varieties may send blooms at intervals for test as to keeping qualities, a plan somewhat similar to the seedling committees of the chrysanthemum society. After a full discussion the report was laid on the table until the next meeting.

The committee also reported itself unable, in the short time at its disposal, to formulate any practical remedy for losses through acts of express companies, and a long discussion followed, participated in by many large shippers of flowers and plants, who related experiences and results of effects to collect damages for goods delayed or otherwise injured through negligence of common carriers. The Adams Express Company was censured for disposition to avoid reasonable responsibility and general discourtesy in relation to such claims, and the American, National and United States express companies were spoken well of. The value of a good understanding with local express agents was dwelt upon and the use of the special red flower label was recommended. General opinion was that every man meeting loss should hold the carrier sharply liable and insist on full settlement, calling upon the national societies for help in pushing test cases if necessary, and trade papers to be called upon to assist in giving publicity to all instances of oppression.

During the afternoon the public thronged the exhibition hall so that the floor was almost impassable at times.

On Friday evening the exhibition hall was transformed into a splendid banquet room and at 8:30 more than 150 guests sat down at the laden tables, laden not alone with vases of carnations but with good things solid and liquid with which to regale the inner man. The menus were gems in their way and a good evidence of the ability in this line of their designer, D. B. Long. On the cover was a bunch of carnations in colors, with a gold embossed buffalo in the corner and the inscription:

"Guests.—American Carnation Society.
Hosts.—Buffalo Florists' Club."

On the inside, on deckle edged paper, the following:

Entertainment—des dianthus la divinite
An attempt at hybridizing
Wit and common sense crossed with gastronomy.
Informality the rule.
Everything ad lib. No restrictions.

Chef des hybritizeure,	W. F. Kasting.
Assistes,	Wm. Scott, Chas. H. Keitsch.
Demonstrateur des resultat.	Wm. Scott.

On the other side were inscribed edibles and irrigation in equally witty form.

President W. F. Kasting, presided and Wm. Scott officiated as toastmaster. Wm. P. Craig responded for the carnation society, Wm. Weber for "Maryland, my Maryland," John N. May for "Our Naval Forces," E. G. Hill for "The Hoosier State," Robert Craig for "Horticulture," C. W. Ward for "Greenhouse Odors," J. F. Cowell for "The Higher Branches,"

W. N. Rudd for "Midnight Prowlers," Chas. Keitsch for "Exhibition Management," Wm. Gammage for "Our Neighbors," Wm. J. Stewart for "The Press," D. B. Long for "Art in Floriculture," L. E. Marquisee for "Titles of Nobility," Eugene Dailledouze for "Triple Six" and G. E. Fancourt for "Cheap Fuel."

The Awards.

The following were the premiums awarded:

One hundred blooms white, first, J. L. Dillon for Queen Louise.

One hundred blooms light pink, first, L. E. Marquisee for The Marquis; second, E. G. Hill & Co. for Ethel Crocker.

One hundred blooms scarlet, first, Chicago Carnation Co. for Jubilee.

One hundred blooms crimson, first, Chicago Carnation Co. for Gen. Maceo.

One hundred blooms variegated, first, Chicago Carnation Co. for Mrs. Bradt; second, E. G. Hill & Co. for J. Whitcomb Riley.

Fifty blooms crimson, first, Robert Craig & Son for Gen. Gomez; second, same for Gen. Maceo.

Twenty-five blooms dark pink, introduction of 1899, first, E. G. Hill & Co. for Leslie Paul.

Cottage Gardens prize for fifty blooms Gen. Gomez, won by Dailledouze Bros.

Cottage Gardens silver cup for best crimson seedling, won by Cottage Gardens with Gov. Roosevelt.

Chicago Carnation Co. silver cup for light pink seedling not yet disseminated, won by Dailledouze Bros. with No. 3.

Lawson gold medal for 100 blooms any variety, won by Dailledouze Bros. with No. 666.

Lawson silver medal for twenty-five blooms of undisseminated seedling, won by R. Witterstaetter with Adonis, scarlet.

In the sweepstake competition Dailledouze Bros. were first with Mrs. Bradt, Witterstaetter second with Eugenie, pink, and third with Adonis.

The following seedlings were certificated:

Witterstatter's Estelle, scarlet, scored 86 points. Eugenie, pink, scored 88 points. Elinor, white, scored 89 points.

Kuhn's Mrs. Lippincott, light pink, scored 86 points.

Cottage Gardens' Gov. Roosevelt, crimson, scored 93 points.

Dailledouze Bros'. No. 666, variegated, scored 89 points.

Preliminary certificates were awarded as follows:

Fisher's The Maine, white, scored 88 points.

Dailledouze Bros.' No. 100, white, scored 87 points. Delight, pink, scored 88 points.

Witterstaetter's No. 550, white, scored 90 points.

Those Present.

Robt. Craig, Wm. P. Craig, Walter Mott, Robt. Kilt, J. A. Shellem, A. B. Cartledge, Horace Dumont, L. Pennock, J. Kuhn, S. S. Skidelsky, Paul Berkowitz, Chas. Rieff and C. H. Kuhn, Philadelphia, Pa.; Geo. A. Rackham, Wm. Breitmeyer, J. F. Sullivan, Gustav Taepke, F. H. Beard, Jas. Taylor, John Carey, Harry Balsley, Frank Holznagle, Rob't Flowerday, John Evans and Thos. Brown, Detroit, Mich; Peter Reinberg, O. P. Bassett, Henry Wietor, Geo. M. Garland, G. L. Grant, W. N. Rudd, J. C. Vaughan and wife, Jas. S. Wilson, J. V. Merrion, Albert Fuchs, Jas. Hartshorne and J. D. Thompson, Chicago; J. M. Gasser, F. W. Ziechmann, Adam Graham, H. A. Hart, Casper Aul, A. Schmidt, S. N. Pentecost and Guy Bates, of Cleveland, Ohio; Henry Smith, Geo. F. Crabb and Wm. Hannah, Grand Rapids, Mich.; Wm. Nicholson, Wm. Spillsbury and S. J. Goddard, Framingham, Mass.; R. Salter, A. T. Vick, F. Schlegel, G. J. Keller, F. J. Keller, J. M. Keller and W. Salmon, Rochester, N. Y.; C. W. Ward and J. E. Casey, Queens, N. Y.; C. Besold, Mineola, N. Y.; Wm. Miller, Bracondale, Ont; John H. Taylor, Bayside, N. Y.; A. H. Lange, Worcester, Mass.; J. H. Dunlop and F. C. Miller, Toronto, Ont.; Harry Dale and Wm. Findlay, Brampton, Ont; Paul M. Pierson, Scarboro, N. Y.; E. Hippard, Youngstown, Ohio; John Murchie, Sharon, Pa.; S. A. Baur, Erie, Pa.; J. F. Wilcox, Council Bluffs, Iowa; Geo. Bancroft, Cedar Falls, Iowa; Wm. Clark, Colorado Springs, Colo.; T. C. Joy, Nashville, Tenn.; J. C. Rennison, Sioux City, Iowa; Wm. Weber and H. Weber, Oakland, Md; F. L. Atkins, Rutherford, N. J.; Wm. T. Bell, Franklin, Pa; W. C. Rockwell, Bradford, Pa.; R. Witterstaetter, Sedamsville, Ohio; E. G. Hill and J. A. Evans, Richmond, Ind; Jno. L. Wyland, De Haven, Pa.; Fred. Burki, Bellevue, Pa.; Wm. Lauch, Carrick, Pa.; Benj. Elliott, Pittsburg, Pa; Geo. E. Fancourt, Wilkesbarre, Pa.; Geo. F. Crabb, Grand Rapids, Mich.; J. E Angell, Waverly, N. Y.; M. M. Michael, Dansville, N. Y.; Albert M. Herr and wife, Lancaster, Pa; Wm. J. Crowe and F. J. Baker, Utica, N. Y.; Jno. N. May, Summit, N. J.; Jerry Brookins, Orchard Park, N. Y; L. E. Marquisee and R. H. C. Bard, Syracuse, N. Y.; A. Herrington, Madison, N. J.; J. M. Palmer and Wm. Swayne, Kennett Square, Pa.; M. A. Patten, Tewksbury, Mass; Harmon Burr, Darien, N. Y.; F. G. Lewis, Lockport, N. Y.; Geo. E. Buxton, Nashua, N. H.; Philip Heilig, Franklin, Pa.; D. Carmichael, Wellesley, Mass.; Peter Fisher, Ellis, Mass.; S. J. Reuter, Westerly, R. I.; C. Warburton, Fall River, Mass.; E. N. Pierce, Waverley, Mass; Alex. Wallace and Chas. B. Weathered, New York; Wm. J. Stewart, Boston, Mass.; F. J. Gantz, Elmira, N. Y.; J. H. Dann, Westfield, N. Y.; J. D. Eisele, Riverton, N. J; W. Carlton, Willoughby, Ohio; E. S. Hampton, Springbrook, N. Y.; Robt. George, Painesville, Ohio; C. Merkel, Mentor, Ohio; Fred Dorner, Jr., Lafayette, Ind; Geo Bayer, Toledo, Ohio; Carl Hagenburger, West Mentor, Ohio; E. Dailledouze, Flatbush, N. Y.; Wm. Sunderbruch and Wm. Murphy, Cincinnati, Ohio; J. L. Dillon, Bloomsburg, Pa.; Wm. Gammage, London, Ont.

CARNATION QUEEN LOUISE.

The President's Address.

LADIES AND GENTLEMEN, AND MEMBERS OF THE AMERICAN CARNATION SOCIETY:—Nine years ago, in the city of New York, was held the first regular meeting of the American Carnation Society. The society since that time has grown greatly in membership and in influence. The good it has done is apparent to all who have watched its workings. It has diffused among its members much valuable information, and has greatly stimulated the production of new varieties, and among these new varieties there comes occasionally, at rare intervals, one which in one or more points is superior to anything previously existing in its particular class. I suppose it is safe to say that, on an average, it is necessary to raise and test a thousand or more seedlings in order to secure one that will, by its own merits, secure a place, more or less permanent, as a commercially valuable carnation. Our exhibition tables show that this year there have been put on the market at least half a dozen which promise to add to the already great prestige which the carnation has as a florists' flower. I need not name these candidates for popular favor; they are here to speak for themselves, more eloquently than human tongue can, and to testify that the standard of quality is being raised higher and higher, year by year.

As a matter of fact, the quality of the carnation is being so rapidly improved that it is not possible to name a single variety that was largely grown nine years ago, when this society was organized. At that time, such varieties as Grace Wilder and Portia represented the highest standard of quality, and what chance would they have in competition with the leading varieties of to-day? It is a matter of great regret that there have not been more new roses of merit introduced in the last decade. While we have at least a dozen varieties of carnations which can be grown in quantity and disposed of at a profit, there are practically now only four roses in anything like common use. Let us congratulate our brothers, the rose growers, on the formation of their rose society, and express the hope that it will do as much or more for the rose as our organization has done for the carnation, and we feel sure that this will be the case. Now that there is such a society devoted to the interests of the rose, growers will be encouraged to devote time to the crossing of varieties with a view of raising new shades of color which shall be fit companions for the Bride and Bridesmaid, and perhaps it is not too much to hope that a white or pink rose shall be raised which shall be in the class with the magnificent and peerless American Beauty; the fact that there is now an official and powerful tribunal ready to recognize and give full publicity to any meritorious new comer, will certainly stimulate the production of new varieties. The carnation society extends congratulations to the young brother (or sister) and wishes it every success.

How to conduct a carnation or a rose society so that it may continue to

HENRY WEBER.

THOMAS W. LAWSON.

FRED DORNER, SR.

THREE MEN WHO HAVE WROUGHT FOR THE CARNATION.

advance in power and influence can only be learned by experience, and the measure of the advance will be in proportion to the earnestness of its members, and to the faithfulness with which they shall apply themselves to the problems which arise from time to time. If we shall be able to improve the methods of conducting our society as much as the growers have improved cultural methods, those who conduct our society a decade hence, may look with a feeling akin to pity on our present feeble efforts.

I will not venture to take up your time with any allusion to improved cultural methods because these advances are made known from time to time in our trade journals, which are devoting more space to carnation matters than to the interests of any other class of flowers. The papers which are to be read, and the discussions which will doubtless take place during this convention will also fully illustrate these points. I will, however, suggest what seems to me would be an improvement in our scale of judging carnations by points. In our present scale there is no provision for recognizing the keeping qualities of a flower, which is very important. Many of our leading retail florists consider this the most important quality in a flower. No matter how beautiful the variety may be, if it "goes to sleep" soon after delivery to the customer, nothing but dissatisfaction can result. I would, therefore, suggest that we drop from the scale the ten points for substance and together with the ten for plant, which has been done away with and which points were allotted to color and stem, and also the five for calyx, and give these twenty-five points for keeping qualities—the flowers could be judged on the first day as to all the points excepting those awarded for keeping qualities, which latter would be determined just before the close of the exhibition.

And now, in closing, let me bespeak a full attendance at every session of this convention. Do not allow the attractions of this fascinating city of Buffalo to lead you away; and do not forget that we want to increase our membership; the greater our numbers, the greater our power may be.

Secretary's Report.

Your secretary begs leave to report having issued the proceedings of the meeting held in Philadelphia, Pa., in due time and having mailed the same to all members not in arrears for dues.

The resolution of thanks to Prof. Arthur was printed and forwarded to every experiment station in the United States and a separate copy to a number of officials, state and otherwise.

Membership in the society has remained about stationary, the few dropping out having been replaced by about an equal number of new members.

Registration has been pretty generally followed up by members and by non-members, wherever a variety has been named with the view to introducing it to the trade, and thus quite a few cases of the duplication of names avoided.

ALBERT M. HERR.

Growing Carnations Under Glass All Summer.

BY JAMES HAIGHORNE, JOLIET, ILL.

What first induced me to try this method was the reading of some carnation notes by Mr. Edwin Lonsdale, of Philadelphia, some five or six years ago, telling of the success he was having with certain varieties, notably Buttercup and Helen Keller. I first tried it in a small way, planting about 100 or so of each variety, and on the first experiment secured blooms far superior to any that I had ever been able to produce from fall lifted plants. I became so convinced that I was on the right track that each year following I increased the quantity of plants for trial, so that now, the fifth season of my experiment with this method, we grow practically all our carnations indoors. I feel that we have passed the experimental stage, and can conscientiously recommend this method to anyone who wants high-grade carnations from September to July. My understanding of growing carnations inside all summer and that of others regarding the matter undoubtedly makes the title of the subject a trifle misleading, as I do not think it practicable or advisable to keep the plants indoors entirely. They should be planted outside as early in the spring as possible. Plant close together in the rows, say about six to eight inches apart, and allow just enough room between the rows to work a hand cultivator. By July 1, if you have attended faithfully to the pinching process, you will have nice bushy little plants. At this date, or as soon after as you can prepare your houses to receive them, they should be housed. Allow me here to lay stress on the fact that the greatest enemy to successful indoor culture is red spider, and that the grower should thoroughly cleanse his houses of this pest before planting young stock in them. I also would advise giving the plants a good syringing before lifting, as some of the varieties get badly infested with spider in the field, at least we find it so in our locality. The houses should be shaded during planting, unless you can get a few days of cloudy weather, which is seldom likely at this season.

Treatment after housing is much the same as that ordinarily practiced, except that the details of culture demand greater carefulness. The walks, walls and surfaces underneath the benches should be well syringed to keep down the spider. If this is given close attention, as it should be, it will not be necessary to syringe the plants more than once in two or three weeks. If done early in the morning, I find is very beneficial, as it washes the dust off the plants and keeps the pores of the foliage open for action. It is also well to get the hose outside occasionally to wash the dust off the glass, as the more light the plants receive after they are established the healthier and tougher will be their growth. The soil should not be too rich, or it will cause a too soft and spindling growth. If the soil is naturally good, rotted sod, etc., it is best not to add any manure whatever. Superfluous manure is one thing in particular which must be guarded against to insure success, as with such a high temperature and a regular supply of moisture at the roots the plants will grow fast enough without it. It means more labor feeding later in the season, but at the same time it is, in my belief, very essential for the health of the plants. One of the princi-

pal drawbacks to growing inside is the baking and cracking of the soil, conditions peculiar to our soil as soon as it becomes dry after watering. Where this happens it makes a great deal more work cultivating the soil by hand as against using a cultivator outside; but to do away with so much extra of this labor, when scratching up the soil between the plants, I find it a good plan to leave a ridge or little elevation of the soil between the rows, thus affording for the rows of plants a sort of gutter, where all the water should be applied and not allowed to run over the surface of the entire bed. It is necessary not to use a too strong force of water or it will wash the loose earth in heaps. The ridges of soil between the rows are intended also to act as a mulch for the roots, which is better for the health of the plants than a mulch of manure, unless the latter be very fine and minus nutriment.

The ventilators should be left open night and day until the temperature gets down to 40° at night. It is quite important to give them the benefit of this low temperature, if it can be done before the blooms appear, which for our market would be about September 15 to October 1, as it seems to give the plants a more vigorous growth, the foliage a nice bluish color, and the stems additional stiffness. As soon as the blooms appear, one can readily note the superiority of the flowers of inside stock to those from plants lifted only two or three weeks before. The former are in good demand at sometimes double the price of the latter, which are often hard to dispose of at any price, owing to the large quantity of such stock in the market at this period. I do not believe that as good blooms can be produced by field grown plants until about February 1. At this date the outdoor stock begins to catch up; but there are already gone four of the best months for marketing the product, and right here is where the indoor grown stock gains the advantage over the outdoor and the real reason why I advocate indoor culture in preference to fall lifted plants. I notice that the majority of growers around Chicago are planting a week or two earlier each year, so that now some of the most prominent growers are planting in July, and they keep making a better reputation each year for carnations. To be as brief as possible, I might sum it up in this way: It requires more labor to care for the plants when grown inside, consequently it brings a higher cost on the product; but the grower will not have such a grassy growth of plants, thus enabling him to plant closer and to cut as many or more blooms from a given space than from field plants, and as I claim one can get a higher price for the blooms during at least a considerable portion of the four months already indicated, the additional receipts from the indoor method will be so much more than the extra cost of production as to still leave a very considerable balance in their favor.

Scraps.

The visitors represented a very wide range of country, from the extreme east to the far west and from Canada on the north to Tennessee on the south, and the good things were not confined to any one section. It was unquestionably the most representative gathering in the carnation society's history.

On Thursday evening J. D. Thompson entertained about twenty-five friends at dinner at the Iroquois. It was an elegant "spread" and extended well past midnight. John N. May acted as toastmaster, but the talking was informal, somewhat on the lines of the Ananias Society, with stories of varying veracity. Mr. Hartshorne sang most entertainingly.

One gentleman was overheard to say: "I find these meetings great educators. The day I began going to exhibitions, that day I commenced to progress."

The very small percentage of bald heads in the meetings was remarkable. There is lots of youthful material in the carnation society, from the president down.

The meeting hall in the Genesee was admirably adapted for the purpose.

A lively fire in the basement of the building in which the exhibition hall was located, came very near demolishing the entire business. Luckily a strong odor of smoke was the only evidence of the narrow escape.

THE LATE FRANK BECKER.

Two visitors, both experienced travelers, showed up without their satchels and had to resort to the telegraph and express for comfort.

The Lawson medals are beautiful in design and fine specimens of the engraver's art.

A Trio of Carnationists.

HENRY WEBER.

The subject of this sketch had his own little garden in the Province of Hesse-Cassle, Germany, long before he had reached his fourteenth year and completed the customary course in the government schools, when he was apprenticed to a florist, becoming foreman before he was nineteen, at which age he entered the British army, serving in the Crimean war in 1854 and 1855. During the following ten years he was stationed at various points in Asia, Africa, Australia and New Zealand, meeting many thrilling adventures, particularly in the Hottentot war. In 1865 Mr. Weber came to America and, with his brother John, who had preceded him, embarked in market gardening at Mt. Savage, Md. At the end of five years he sold out to his brother and removed to Cumberland, combining floriculture with gardening. In 1879 he bought a tract of swampy land near Oakland, much against the advice of his associates, redeemed it and made it a veritable garden. It was his intention to grow cauliflower and celery for the eastern markets and his greenhouses were only designed for meeting local demands, but it was only a few years before he became alive to the possibilities of carnation culture and for the past nine years he has given particular attention to this specialty. He was among the first to adopt modern methods and believes that the improvement has only fairly begun. He takes great pleasure in the raising of seedlings and has achieved much success in this line. As a result of his efforts we have Genevieve Lord, now being disseminated, and in 1901 several more fine sorts will be put on the market, all seedlings of 1896, among them No. 110, a large white; No. 30, a bright pink, and No. 126, a sweet-scented, long-stemmed crimson. He has also a number of later seedlings which have not yet passed through the period of testing. Sub-irrigation, side-ventilation and indoor culture are problems in which Mr. Weber takes much interest and he believes they will soon be recognized as essential to the best development of the carnation.

THOMAS W. LAWSON.

There is not a man in America who is not identified with the trade who has done as much to raise the carnation in puplic esteem as has the man whose name is interwoven in the story of Peter Fisher's celebrated pink. The narrative of Mr. Lawson's forty-two years abounds in incidents which show him to be just the man to enjoy such negotiations as resulted in bringing the flower which bears his wife's name to its present status and made it the most famous product of the hybridizers' brush. Copper king, horseman, yachtsman, genius, Mr. Lawson is a genial, modest gentleman whom few carnationists have ever met but who will always be held in highest regard by the members of the American Carnation Society, who have benefited more than he by the discussion of the carnation which followed the widespread stories of the "30,000-dollar" flower. Least of all his aid to the flower of his choice is his contribution of medals to the society of which he is an honorary member. The photograph which we herewith reproduce was taken in Mr. Lawson's Boston office some time prior to his appearance as a factor in floricultural affairs.

FRED. DORNER, SR.

Fred. Dorner, Sr., of Lafayette, Ind., was born in Baden, Germany, November 29, 1837. Until eighteen years of age he remained in Germany with his parents and during that time acquired a good practical education in the public schools of that country. In 1855 he sailed for America and at once made his way to Lafayette, Ind., where he has since resided. For a number of years he followed varied employments but in 1870 went into the floral business on his own account. For a number of years he rented greenhouses and engaged in the cultivation of a general line of florists' stock. In 1891 he purchased nine acres of land in the eastern section of the city and began the development of his present extensive establishment. First he erected three greenhouses, to which he has added from time to time until the establishment now comprises seventeen greenhouses of 50,000 square feet of glass. He carries a general line of stock

for the retail trade, but makes a specialty of carnations for the wholesale trade, shipping flowers and plants to all points in the United States, from New York city to San Francisco and from New Orleans to Winnipeg, Manitoba. He makes exhibits of flowers and plants at all the leading flower shows. Business is carried on under the firm name of F. Dorner & Sons Co., and associated with Mr. Dorner are his two sons, Fred. E., Jr., and Theodore, also his three daughters. Wm. Scott was the first of Mr. Dorner's new carnations that is still grown extensively to-day; of the later introductions, Mrs. Geo. M. Bradt, White Cloud, Gold Nugget and G. H. Crane are well and most favorably known. He makes quite a specialty of carnation cuttings and the greater part of the range of glass is devoted to that purpose, although a considerable portion is reserved for the production and trial of new varieties, two of the houses being entirely occupied in this way at the present time.

CARNATIONS.

SOME NEW VARIETIES.

Mary Hill (Hill).—Triumph is the pollen parent of this variety. It has a stiff stem two to three feet in length, a perfect calyx, and produces a flower three and one-half inches in diameter. The color is Triumph pink on opening, but it lightens and becomes more beautiful as the bloom matures. It does not bleach at the edges. It has remarkable freedom of bloom and requires more space on the bench than do most varieties, owing to the size of the plants by mid-season.

No. 110 (Weber).—This is a white seedling of 1896 and will not be sent out until next year. It is a very vigorous grower and produces large blooms on extra long, strong stems. The blooms may very easily be classed as fancy, as few of them come under three inches. It is easy to handle, and Messrs. Weber & Sons report it very profitable.

CARNATION ESTELLE.

Queen Louise (Dillon).—The originator describes this as a pure white flower nearly as large as Mrs. Bradt, borne on long stems, but requiring no tying, because of their strength. It is very fragrant and possesses remarkable keeping qualities. The variety possesses a vigorous constitution, is easily propagated, easily transplanted, and is, moreover, very prolific in bloom.

Estelle (Witterstaetter).—A very free flowering scarlet of medium size, the result of crossing various scarlet seedlings during the past eight years. The work began with Portia and Jubilee was used as pollen parent in the last cross.

Adonis (Witterstaetter).—It has taken eight years to develop this scarlet variety by the frequent crossing of scarlet seedlings, the final seed parent being a seedling of Adelaide Kresken and The Stuart, obtained five years ago.

CARNATION PERU.

W. W. Coles writes: Having seen this carnation blooming for the past three years in two different locations and last year having seen it in nearly every month from November to May, I wish to say I consider it the best money-making white carnation that has come under my notice. It is a very easy variety to root, makes a strong, quick growth, and lifts easily in the fall. But the crowning point of this peerless variety is its healthy growth and free and everlasting blooming qualities. It starts to bloom early and is never once off crop until pulled out in summer. The color is a pure white, large flowers on long stiff stems. It originated in 1895 with F. B. Tinker, Peru, Ind. I have not grown a plant of this variety but am pleased to be able to get some stock this year as I regard it as a first-class commercial sort.

RED SPIDER ON CARNATIONS.

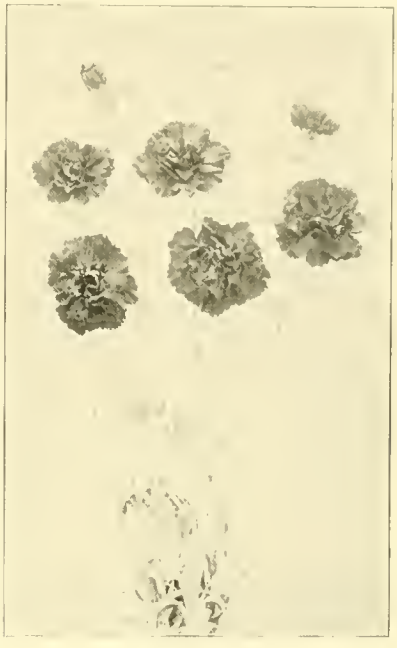
ED. AM. FLORIST.—Please state how the extensive carnation growers keep the red spider off their flowering carnations or the best and safest way to get rid of these pests. I have always had trouble with them from this time onward.

B. A. W.

Where an abundance of fresh air is allowed to circulate in carnation houses there is very little trouble from red spider up to March 1. After that date the increased sun power favors a greater day temperature and in corners of houses the spider is apt to make its appearance. We use water slightly impregnated with salt. This we have found effective. Care, however, must be taken not to have the salt in too great quantity; a good plan is to taste the water for its strength after the salt is introduced. A little experience will enable one to judge as to the quantity of salt to put in; just enough to cause the taste of the salt is all that is necessary. Continue the application two or three times each week. H.

MORE ABOUT CARNATION HOUSES.

I do not know that I can settle down to any particular form of house as the best for carnations. However, I would give preference to either the three-quarter span running east and west, or an even-span house running the same way. The exposure of the southern slope in either case can be a few points to the east or west of the south, without materially injuring the efficiency of the house. Speaking without much consideration I should say that a house facing slightly west of south would, perhaps, in our section, give the best results, as we are apt to have more sunlight from 10 to 4 o'clock during the winter time than we have in the early mornings, and a slight lacing towards the southwest might secure a little more sunlight. In other localities this might not be the case. For general purposes, twenty-two feet wide, inside measurement, ranging anywhere from 100 to 250 feet long, I consider a splendid size. This will give three benches, each four feet four inches wide, with ample walks all around each bench. This, of course, does away entirely with side benches, and here I would say that I deem a side bench an extravagance in carnation growing. It always gives a crop inferior to that of a center bench. It puts one side of a bench entirely out of your reach and it also keeps the side of your house damp and in such condition that the life of the house is materially reduced.



CARNATION ADONIS.

As to heating, for a small plant where there are only two or three houses and where a night watchman cannot be employed, I should incline towards hot water under pressure, using, however, 2-inch wrought pipes instead of the 4-inch cast pipes that used to be in vogue. In very large plants where it is necessary to keep a night watchman I should prefer steam. The piping should be either 1-inch or 1-¼-inch. Our experience seems to indicate that 1-¼-inch piping is preferable to every other size.

There should be at least one line of ventilation at the ridge and if the house is over twenty-five feet wide, two lines should be put in at the ridge. I also prefer a full line of ventilation on each side of the house, and in very large houses where the attempt is made to grow stock inside during the summer, they should be entirely detached from all adjoining buildings and the ventilation should be continuous around the sides, under the eaves, and also across both ends, so that the house could be practically opened to such an extent that it might be considered almost equal to outdoors.

As to glazing, I should by all means lap the glass, should use a first-class putty, should employ a first-class glazier

who thoroughly and unquestionably understood greenhouse glazing. As to glass, I should use only the best quality of double thick glass, securing it free from blebs or blisters, if possible. I prefer glass 16x24 inches.

In painting such a house I should make the first priming coat of white lead and pure linseed oil. Most greenhouse builders dip the sash bars in a solution of oil and yellow ochre. This, of course, is cheaper but I think that in the end it would be much better to spend the time and lay on the priming coat thoroughly with a brush. I should use only the very best quality of Atlantic White Lead and the house should properly be painted in the hot part of the season. The wood should be perfectly dry when the priming coat is applied, and the structure should also be dry whenever the second and third coats are put on. I of course prefer the modern iron-framed house to any other class of structure, not upon the ground of its being less expensive to build, but for the reason that such a house once secured is kept in order at a much less expense than where you have wooden frames that rot out.

In case a grower is to build a house in front of another house which he does not wish to shade he may use the short-span-to-the-south house to advantage. In this house he will find the two south benches very fine for growing carnations; but his rear bench will be weaker than the other two, so that on the whole I do not consider the short-span-to-the-south house fully equal to the modern even-span house, although a first-class grower will attain excellent results in any of the three forms.

The poorest type of house for carnation growing I consider the even-span house so placed that the ridge runs north and south. This house proves a rather weak growing house in the winter time, while in the spring and summer months, the sun being directly overhead, makes it an extremely hot house. For this reason I prefer all of the types of houses to run east and west. C. W. WARD.

More About the Enquirer Controversy.

ED. AM. FLORIST:—I note that Mr. Bock charges me with taking the Chicago judges' side of the controversy, and do not think that my notes on the matter can be so construed. The intent was simply to show that different judges, working from a different standard, might arrive at decidedly different results. Mr. Bock's method and the results he gets may be right or not, according to one's individual point of view. It will be noted that in no case did he compare Enquirer with another variety of its own color. Can there not be plausible arguments advanced against the fairness of this method? I think so. Suppose Mr. Bock were called upon to judge a true blue carnation having the size, form and other attributes of Scott. It would not come within forty rods of a certificate under his method. Would he have the courage to turn it down? Every one would pronounce such an act a crime, and yet how could he avoid it? Mr. Bock makes constant use of the word perfection. I must register a most emphatic protest against that. The word is absolutely and entirely out of place in connection with any horticultural product.

As the above is being written the mail brings the current issue of your New York contemporary, in which the writer is not only flayed, but salt is liberally sprinkled over his bleeding remains. First, about that alleged misquotation of Scripture: Did our friend ever see the elder Sothern as the "Crushed Tragedian?" Probably he is too young to have seen him. The tragedian, many will remember, was in the habit of delivering some high flown sentiment followed by the words, "Part Shakespeare, part my own—mostly my own."

After reading the aforesaid article carefully, I am unable to understand exactly what the gentleman is driving at, and—begging his pardon—I doubt if he quite knows himself. He seems to be in the position of the man astraddle of the fence—a very convenient position by the way—but in endeavoring to get down on both sides of it at the same time, it is very difficult to avoid becoming a bifurcated biped. The writer in question says he has always supposed the scale of the American Carnation Society was a uniform standard to judge by. A scale of points is not a *standard to judge by*—never was a standard to judge by—never will be. It is a numerical statement of the society's idea of the relative value of the attributes of a carnation, and can only be used in estimating the total value of any flower by comparing that flower with some standard either existing or ideal. No official standard exists today, and it is evident that different judges are working from entirely different standards. Let the society give us a definite standard and with good judges much more nearly uniform results may be obtained. The gentleman's discussion of the results to be obtained by judges lacking knowledge of the flower is useless. There is no method by which an incompetent judge can be relied upon for trustworthy work.

W. N. RUDD.

Being one of the judges who awarded 100 points to Carnation Enquirer, I will claim the privilege of a reply to the remarks of our friend, Theo. Bock. In Mr. Bock's opinion the Chicago judges were away off. He asks himself the question, "Is Enquirer perfection of color?" and answers "No; it has too much salmon to be a true pink." Pardon me, but what does Mr. Bock consider to be a true pink? How many men can you find who agree on any given shade as ideal? Then again, are judges required to interpret what a true pink may be? For myself, Brother Bock, I may prefer a pink with a shade of salmon and you a shade with more red in it, but it does not follow that either shade would be an imperfect color, and for the present color must be considered good if evenly diffused over the flower.

Now to Mr. Bock's second question and his answer: "Is Enquirer perfection in size? No; No. 666 stands right here and is decidedly larger." Let me ask what is the standard of size? Is it John Thorpe's ideal four-inch flower? Is a flower four inches in diameter more perfect than one measuring a half inch less? Third question: "Is it perfection in calyx? Armazindy and Mrs Bradt have finer calyxes." In what respect, Brother Bock? Does not the calyx of Enquirer allow the flower to fully expand without splitting? What more do you want? And again your query: "Is it perfect in stem?" You answer: "Certainly not; Armazindy stands right here, as straight as a lot of cane stakes." Well, if we accept the rigid stem of Armazindy as perfection we might err in judging Enquirer, but I for one do not consider a rigid stem an ideal one. A stem is considered good that bears up a large flower and keeps it in an upright position for a whole day in a warm room, as does that of the carnation under discussion.

"Is Enquirer good in substance?" Mr. Bock asks, and admits "it is fair but not perfection." Perhaps not according to Mr. Bock's standard of perfection, but this is simply a slight difference of opinion. "Is it good in form? Why, Indiana is there, which is better." In what way? Indiana is perfect in form I will cheerfully admit, but in what way is it better? As to petalage we might have been wrong, since we did not count the petals of the different sorts that were under judgment but as 'petalage" does not appear in the scale we will pass that by as not to the point. Now as to fragrance, which according to our rules scales five points; here there might be a chance for a difference. The judges' "smellers" might be off and I will frankly admit that mine were not in perfect working order on that fateful trial day; still there were two other judges besides my humble self, and men, too, with knowledge of the duties entrusted to them and with integrity questioned by none.

Yes, Friend Bock, judges are but human and liable to err but before we criticise the judgment of others let us be sure that the ground we contend for is firmly under our feet. We judge things as they are placed before us. Enquirer, as shown in Chicago, was judged as perfect in its class, as a pink, and pronounced so, not alone by the judges but by all who attended our show, at least by those not directly interested. Still there remains the question of the standard of excellence. Who will solve the problem? Will Brother Bock?

Suppose we ask the American Carnation Society to formulate a set of rules whereby our future judges may be governed. Something to this effect:

First, size.—No carnation flower shall be entitled to score the full number of points which measures less than four inches in diameter; but hold, our present ideal of size may be surpassed in the near future and would it not be safe to say six inches to avoid all possible error?

Second, stem.—The natural tendency (and some of us are foolish enough to think one of the chief charms of a carnation) is a slight droop of the flower, which must be tabooed. Let us adopt a model for a stem, the type of Armazindy, as Mr. Bock suggests. To some it might appear slightly stiff and ungraceful, but never mind that; the stem must be rigid and unyielding; let us compare it to a cane stake, if you will

Third, form.—If the form of Enquirer, Indiana, and we might name several others, is not up to the ideal let our carnation society construct a model, a certified copy of which be furnished to the judges. Let them compare the flowers on exhibition and if found that any of the petals in any one bloom curl in a form not in conformity with the model let us consider it imperfect.

Fourth, substance.—How shall we define its perfection? By the number of petals in the bloom? This might be misleading, as the petals in the blooms of different varieties are of an unequal size. Perhaps we might adopt a scale by weight. I am open for suggestion.

Fifth, color.—Let us say pink for argument's sake. Be sure first you are right as to the exact shade. We have flesh pink, shell pink, rose pink, salmon pink, carmine pink; how many others I don't know, but "true" pink you say is what we want. Well, true pink the artist tells

us is a shade of color called, I think, "lake." Let us procure a sample of this pigment and compare our flower with it; if it does not conform to our standard we must reject it. To the vision of us poor mortals the sheen, the glow, the indescribable color tone of a flower, ever changing from different points of view and under different lights, may be infinitely more charming, but it will never be true pink as compared with the pigment color.

Sixth, fragrance.—How shall we set our standard of fragrance? We employ different terms in expressing various degrees of sweet odors. We award 5 points to fragrance. Let us say, slightly fragrant, 1 point; quite fragrant 2 points; sweet, 3 points; very sweet, 4 points; highly scented, 5 points; and then let some enterprising inventor get up a device to register the relative strength of odor and we have clear sailing, otherwise the refractory smelling organ of a future judge might play the mischief.

Yes, it is all very well to set up a model of excellence before your mind's eye and steadily work up to it. You may fondly imagine you have attained it, but don't deceive yourself; some unfeeling mortal is sure to arise and shatter your dream. Perfection to-day will be regarded as only a poor beginning a hundred years hence. F. F. BENTHEY.

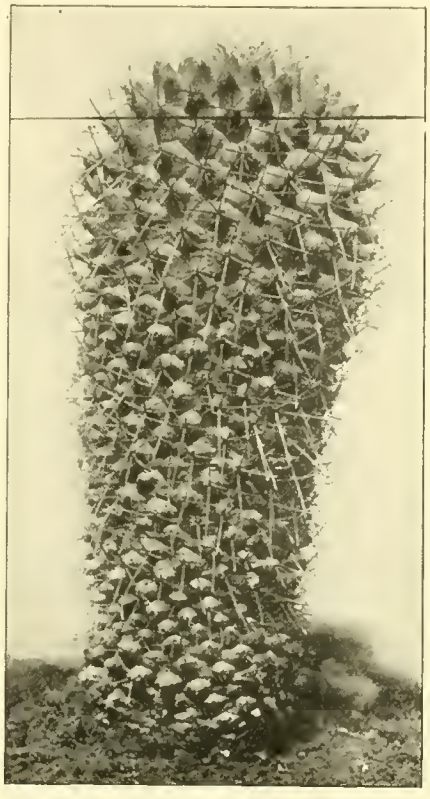
I was pleased to see Theo. Bock take this matter up and very ably point out where, in his opinion, the Chicago judges were wrong in awarding Carnation Enquirer 100 points. It is the general verdict among florists (as far as I have heard) that it was a great mistake. All who have seen Enquirer admit, however, that it is a fine and valuable variety, but I doubt very much if the sort has yet been produced that is worth 100 points. We would like to see a pink carnation as large as No. 666 with the stem of Major Pingree, the fragrance of Jubilee, substance of Mrs. Bradt, form of Olympia and the color of Mary Hill. But can we expect or even hope to see all these good qualities in one variety? While in New York a few weeks ago I saw many new carnations that were marvelous, but not a single variety that was perfection in every point. Mr. Rudd says, on page 774 of your issue of February 3: "The assumption seems to be quite generally made that the points awarded measure the flower's qualities on a standard of absolute perfection." Why certainly it does, Mr. Rudd, and a moment's thought should convince you that 100 points out of a possible 100 means perfection. If, as Mr. Rudd has said, there is no absolute standard of perfection, the American Carnation Society should lose no time in setting such standard. A few years ago the judges in New York awarded Mrs. Perrin chrysanthemum 100 points, which, no doubt, was a greater mistake than was made in the case of Enquirer. W. W. COLES.

Profits of Carnation Growers.

[Read by P. Campbell Erdman before the Gardeners' and Florists' Club of Baltimore, February 12, 1900.]

You ask me to give you some idea of the profit at which carnations can be produced by a commercial grower. As I do not grow any fancy carnations I can only give my views on a medium and usual grade of stock. I will give you the cut and prices obtained from two houses, one 32x50 feet, which is a fairly good one, and one sash house 15x100 feet, which is very ordinary.

The house 32x50 contains about 1,100 plants of Daybreak and several other varieties. Starting from October 13 we cut that month 1,553 flowers, for which we received $22.89. In the month of November we cut 2,200 flowers, for which we received $33. During the month of December we cut 2,250 flowers, for which we received $74. In the month of January we cut 3,800 flowers, for which we received $76, and in February we have cut to date 900 flowers, for which we received $18, making a total cut from October 13 to February 12 of 10,703 flowers, and cash returns of $223.89. Allowing for seven tons of hard coal, which cost $33.95, leaves a balance of $189.84, a cut of nearly ten flowers to the plant, and a fraction over 2 cents each for the flowers.



DISEASED MAMMILLARIA.—REMAINING HEALTHY PORTION INDICATED ABOVE LINE AT TOP.

The sash house has about 1,400 plants of Scott. The cut in October was 1,745 flowers, which brought $17.45. The November cut was 2,000 flowers, for which we received $20. In December we cut 2,800 blooms, which brought $56. The January cut was 3,560, which sold for $53.40, and the February cut to date was 1,175, bringing $17 62. The total cut from the house to date was 11,280 flowers; cash received $164.47. Consider that I burned eight tons of coal to heat the house, which cost $38.80, it leaves a balance of $125 67. This shows about an average of seven and three-fourths flowers to the plant, to date, and something over 1¼ cents per flower.

Our carnations were planted in September, and we kept no account of flowers cut before October 13, as we took no regular orders for them before that date, but I suppose we sold quite a few dollar's worth before that time.

We have never grown any fancy carnations and give no especial care to our plants, but sometimes neglect them for other things we think more important, and which pay us somewhat better; but I think a usual grade of carnations (not fancy flowers) can be grown profitably at 1½ cents per flower. I read in trade journals that in New York they sometimes go at $5 per thousand, but as they are way ahead of us up north, I suppose they make it pay at "any old price." We have no commission to pay for selling our flowers, and, when it amounts into the hundreds, commission amounts to an item. I have tried to give you a correct account of two small houses, and any flower we cut we tried to put down, in the time mentioned. We sold all, and none went on the dump.

Note on Gloesporium Cactorum.

This parasitic fungus was first described by Dr. Bertha Stoneman in 1898 (Bot. Gaz. 26: 82, Aug. 1898). It was found by her on several varieties of cacti in 1896 and 1897. During the last two years the disease has made great progress on the cacti in the conservatories of the Botanical Department at Cornell University, and bids fair to destroy all species of the genus mammillaria grown there. It was found by the writer on Mammillaria meiacantha, M. macrantha, and M. Odieriana, also on the horticultural species M. Roelsii, M. fragalis, M. centriaveta and M. Vocii. The same or a very similar disease was observed on several species of the genera cereus, echinopsis and echinocactus. The general appearance of the diseased plants of these genera was very similar to that of diseased plants of the genus mammillaria, a much poorer development of acervuli being the most important variation, but as this differed considerably with different plants of the species Mammillaria Vocii it is probably not significant. Therefore there is little doubt that it was the same parasite in all cases.

For details regarding the botanical character of this fungus the reader is referred to Dr. Stoneman's paper. The point of attack seems to be, in nearly all cases, near the base of the plant, at the surface of the ground. The first visible indication of the disease is the appearance of small, irregular, yellowish spots on the "stems." Later, these spots take on a rusty-brown color and increase in number and size until the entire stem has become covered. Still later, numerous small dark-colored acervuli make their appearance on the now thoroughly browned, decaying spots. In these acervuli were found pycidial spores capable of reproducing the disease on healthy plants.

The accompanying illustration shows a badly affected plant of Mammillaria Odieriana. Unfortunately the photograph does not show the sharp lines delimiting the diseased from the healthy portions of the tissue, so evident to the eye on glancing at the plant. A line has been drawn across the plate at about the point reached by that stage of the disease developing the acervuli. Practically all below the line has become browned and more or less dotted by the minute, black acervuli. Above the line, the stems are spotted more or less, a few of the youngest stems at the apex only having as yet entirely escaped.

Quite a number of diseased plants were carefully examined and pure cultures of the fungus were grown on various media, but the perfect (ascus) stage has not yet

been found. Inasmuch as the parasite develops in the tissues of the plant with the protection of the strongly developed cuticle, it would seem that a plant once attacked is beyond the reach of remedial agents. The development of the disease, however, is slow and with the aid of a hand lens it may easily be detected in a plant before it has reached the stage when propagation on neighboring cacti becomes possible, i. e., when spores appear in the acervuli. It might be well to isolate suspected plants pending further development. All plants showing undoubted symptoms of the disease should be destroyed before spores are matured in the acervuli. J. F. CLARK.

ROSES.

ANOTHER CASE OF EEL WORM.

ED. AM. FLORIST:—Under a separate cover I send you a sample of my Bride rose plants and would be obliged if you would give me your opinion as to the trouble. They were planted about July 15. The cuttings were taken from plants which I grew the year previous. The young plants looked healthy enough until about six weeks after planting, when they began to drop their leaves, and now they all look like the sample or have been thrown out. The leaves first get soft at the edges, even on plants with buds ready to open. The Bridesmaids are in the same condition. Some of the Perles are similarly affected and more of them have the healthy appearance of last year. The sod is composed of rather sandy rotted soil, three-fourths of this to one-fourth of cow manure. The latter I purchased as two-year-old material, but I am not sure it was as represented, being a poor judge of such matters. Have the roses club root, or is the soil at fault? I use city water, but it is of natural spring origin and, of course, very cold. It is for anything I know the very same water I used last year with no bad result.

E. M. H.

The sample plant was badly affected with club root, but the modules on the roots were quite small. These may be due to the manure or soil, as both often contain the eel worm in quantity. These pests are much more troublesome some years than others, and, what would appear strange, the condition of the seasons does not effect them as far as can be ascertained. One of the best informed men on this subject that I know once suggested to me that an extra hard freezing during winter would reduce these pests in the soil to a minimum, but on fully testing this later on he came to the conclusion that it had no effect on them whatever. There does not appear to be any safeguard against them but to thoroughly sterilize the soil, or in other words to kill them by live steam. This is an expensive operation, particularly where only a comparatively small amount of soil is required, as it costs just as much to fit up an apparatus as it does where large quantities are to be treated, hence the proportionate extra expense. Outside of this the next best thing appears to be liberal waterings of clear lime water.

JOHN N. MAY.

New and Noteworthy Orchids at Boston.

The past year will go into history as a memorable one in the annals of the Massachusetts Horticultural Society so far as the introduction of new orchids is concerned, there having been no less than fifty-five new varieties exhibited, many of them for the first time.

One year ago ways and means were discussed, how best to bring about a more general interest in the newer introductions and hybrids of both American and foreign parentage. Knowing that hybrid orchids were being raised in large numbers in this country, it was thought that, as this society had always been at the front in encouraging anything new horticulturally, it might be advisable to put forth some extra inducement to bring such introductions and hybrids before the society for recognition. It was suggested that three prizes, a gold, silver and bronze medal, be offered "for an American seedling orchid, other than cypripedium, to be accompanied by a colored picture of same, for use of the committee," etc. The intention was to offer the above prizes for the first, second and third best exhibits during the year, the colored plates for use of the end of the year to refresh the memories of the committee. The committee on awards being in doubt as to its authority to offer a gold medal, it was printed in the schedule as two prizes, a silver and bronze medal, and it is unnecessary to add that there were no entries for the prizes.

The present chairman of the plant committee, upon taking upon himself the mantle of the late chairman, Azell C. Bowditch, commenced to practice the radical ideas which a business training of twenty-three years had proved to be successful methods of creating interest in any line, and a policy of discrimination and liberality, though not extravagant, was inaugurated with results which at the end of the year appear to be most successful. The following list presents a fair idea of the ground covered:

Jan. 7. Cattleya Luddemanniana, Edward J. Mitton, gratuity.
" 21. Cypripedium × signatum Calypso, James E. Rothwell, gratuity.
Cypripedium × Lucienianum superbum, James E. Rothwell, gratuity.
Feb. 4. Collection of orchids, Harvard Botanic Garden, gratuity.
Display seedling cypripediums, George McWilliam, gratuity.
Display orchids, H. A. Wheeler, gratuity.
Feb. 11. Specimen Dendrobium nobile, Mrs. J. C. Whitin, gratuity.
" 18. Two plants Cattleya Trianæ, Edward J. Mitton, gratuity.
Cypripedium × Leeanum var. Masaroeliannm var., J. E. Rothwell, gratuity.
Mch. 7. Oncidium tigrinum, J. E. Rothwell, gratuity.
Display, Harvard Botanic Garden, gratuity.
" 18. Sophronitis grandiflora, J. E. Rothwell, gratuity.

SPRING EXHIBITION.

" 21-24. Single plant.
First prize, J. E. Rothwell.
Second prize, Edward Butler.
Third prize, Mrs. J. C. Whitin.
Fourth prize, J. S. Bailey.
Display, Edward Butler, gratuity.
Apr. 1. Dendrobium nobile, Edward Butler, gratuity.
Dendrobium Wardianum, H. A. Wheeler, gratuity.
" 8. Cypripedium Roebelenii, James E. Rothwell, gratuity.
May 6. Display named, James E. Rothwell, first.
Cattleya Mendelli, J. S. Bailey, gratuity.
" 27. Selenipedium Lindenii, J. E. Rothwell, gratuity.
June 1-2 Rhododendron show.
Display arranged for effect 8x5 feet,
H. H. Hunnewell, first.
J. S. Bailey, second.
J. E. Rothwell, third.
June 1-2 Cattleya Gaskelliana, Edward Butler, gratuity.
Display, Dr. C. G. Weld, gratuity.
" 10. Display, Dr. C. G. Weld, gratuity.
" 22-23 Rose and strawberry show.
Six plants named
J. E. Rothwell, first.
W. P. Winsor, second.
Three plants named,
W. P. Winsor, first.
W. P. Winsor, second.
July 1. Cattleya Warscewizii, Edward J. Mitton, gratuity.
July 8. Cattleya Gaskelliana, Edward J. Mitton, gratuity.
Aug. 19. Epidendrum venosum, H. A. Wheeler, gratuity.

ANNUAL EXHIBITION.

" 30-31 Display, Harvard Botanic Garden, gratuity.
Oncidium Carthaginense, John Shepard, gratuity.
Sept. 8. Cattleya labiata, Edward J. Mitton, gratuity.
" 16. Cypripedium · Isabellæ and · Josephianum, J. E. Rothwell, gratuity.
Cattleya Dowiana var. chrysotoxa, H. A. Wheeler, gratuity.
Oct. 28. Oncidium varicosum, Edward J. Mitton, gratuity.
Cattleya labiata, H. A. Wheeler, gratuity.

CHRYSANTHEMUM SHOW.

Nov. 7-10 Display, Lager & Hurrell, gratuity.
Cattleya × Clarkiana (C. intermedia × C. Luddemanniana) by Lager & Hurrell.
Cattleya × Clarkiana, var. Olio by Lager & Hurrell.
Lælio-Cattleya Maroni and L.-C. Santiago by C. G. Roebling.
" 18. Odontoglossum crispum, H. A. Wheeler, gratuity.
" 25. Cypripedium × Charles Canham, J. E. Rothwell, gratuity.
Dec. 2. Cypripedium × Leeanum, J. E. Rothwell, gratuity.
Odontoglossum crispum, J. E. Rothwell, gratuity.
" 9. Six plants named in bloom,
J. E. Rothwell, first.
Mrs. J. L. Gardner, second.

SOCIETY'S GOLD MEDAL.

Feb. 11. Cymbidium eburneo-Lowianum (American seedlings) by George McWilliam.

APPLETON GOLD MEDAL.

Aug. 12. Cattleya × Hardyana, Trenton var. by Hon. C. G. Roebling.

SILVER GILT MEDALS.

Jan. 28. Cypripedium · Chapmanii var. rubellum by J. E. Rothwell.
May 27. Cypripedium × Aylingii by J. E. Rothwell.

SOCIETY'S SILVER MEDALS.

Jan. 7. Cypripedium exul by J. E. Rothwell.
Feb. 4. Cypripedium × Hobsonii by George McWilliam.
" 25. Cypripedium · Roeblingianum by C. G. Roebling.
Apr. 15. Cypripedium × Mrs. Geo. Marston Whitin by George McWilliam.
" 22. Dendrobium densiflorum (for superior cultivation of), Edward Butler.
May 20. Cypripedium leuchochilum var. Rothwellianum by J. E. Rothwell.
June 7 8 Rhododendron Show.
Miltonia × Bleuenana var. nobilor by H. H. Hunnewell.
Aug. 12. Cattleya × Hardyana, Youngs var. C. G. Roebling.
Cattleya Dowiana var. chrysotoxa by Bayard Thayer.
Sept. 23. Lælio-Cattleya × Catherine L. Whitin (Maroni) by George McWilliam.
Oct. 21. Cattleya × Mantinii var. nobilor by Oakes Ames.
Nov. 4. Display Anœctochilus by Wm. Duckham.
" 25. Cymbidum × Winnianum, by Oakes Ames.
Cattleya Chocoensis var. virginalis by Oakes Ames.
Dec. 23. Cypripedium insigne var Mrs. Geo. R. Wilson by W. A. Manda.

SOCIETY'S BRONZE MEDALS.

May 13. Display Cypripedium niveum by J. E. Rothwell.
Aug. 12. Cattleya × Hardyana var. Roeblingianum by C. G. Roebling.
Nov. 4. Cypripedium · insigne var. Ballianum by Oakes Ames.
" 18. Cypripedium × Fairy Queen by J. E. Rothwell.

FIRST-CLASS CERTIFICATES OF MERIT.

Jan. 7. Cypripedium · Mme. Georges Truffaut by Oakes Ames.
" 14. Dendrobium Phalænopsis var. albens by J. E. Rothwell.
Mch. 4. Dendrobium nobile var. D. N. Balliana by W. P. Winsor.

SPRING EXHIBITION.

Mch. 21 24 Oncidium St. Legerianum by W. A. Manda.
Apr. 1. Cypripedium × Lebaudianum by J. E. Rothwell.
Cypripedium Rothschildianum by J. E. Rothwell.
June 3. Miltonia vexillaria by H. H. Hunnewell.
Aug. 5. Oncidium sarcodes by H. A. Wheeler.
" 12. Lælia (Brassavola) Digbyana by J. E. Rothwell.

ANNUAL EXHIBITION.

" 30-31 Lælia · nigrescens by E. O. Orpet.
Sept. 9. Cypripediums Kimballianum by Oakes Ames.
" 16. Cypripedium × Thayerianum by J. E. Rothwell.

Sept. 23. Cypripedium × H. Ballantine by J. E. Rothwell.
" 23. Cypripedium × Uihleinianum (Allanianum) by J. E. Rothwell.

ANNUAL EXHIBITION OF FRUITS AND VEGETABLES.

Sept. 28-29 Cattleya × Portia (C. Bowringiana × C. labiata) by E. O. Orpet.
Oct. 21. Cypripedium × Smithii var. Lucie by Oakes Ames.
Nov. 4. Zygopetalum Burtii by Oakes Ames.
Cypripedium × Hurrellianum by J. E. Rothwell.
Cypripedium × regale by J. E. Rothwell.
Oct. 25. Cypripedium × Maynardii by J. E. Rothwell.
Dec. 2. Cypripedium × Aleides by J. E. Rothwell.
" 9. Cypripedium × Deedmannianum by Oakes Ames.
Cypripedium insigne var. citrinum by Oakes Ames.

HONORABLE MENTION.

Apr. 1. Cattleya-Trianæ var. C. G. Roebling by C. G. Roebling.
Aug. 5. Collection of botanical orchids by Oakes Ames.
" 19. Cattleya × Hardyana (?) by Oakes Ames.
Oct. 28. Cypripedium × Bingleyense (var. Longwoodense) by John Mitch.

There have been numerous others of the older varieties shown during the year which were worthy of notice as specimens of the attention our growers are giving to this class of plants.

WM. WALLACE LUNT.

Camellia Buds Falling.

ED. AM. FLORIST:—Please let me know how to treat camellias. My plants are loaded with buds and look healthy, but in the case of about half of them the buds fall off or burst. F. M.

Before an intelligent reply can be made to the above, we should know in what night and day temperatures the plants are growing, if the buds were judiciously thinned as soon as large enough to handle—late in summer or early in the fall—and whether or not the plants are potted in congenial soil, or mayhap the drainage is defective, or they may have had too much or not enough water.

Any of these shortcomings in plant culture may be the cause of the trouble, or it may be a combination thereof. When asking questions to be replied to in these columns a guide towards a reply would be a frank statement or admission as to how plants have been treated in the past as to temperatures—not average temperatures, but the respective night and the day temperatures—and whether the plants have at any time been found "dust dry" or "soaking wet," remaining so in either case for any length of time. A medical doctor is not satisfied with a description of symptoms of a patient; he must make a personal visit and have an interview with the ailing subject and thus have said subject speak as to the nature of the trouble, where located and everything appertaining thereto, and in that way a more nearly correct diagnosis of the case may be expected.

Briefly stated, camellias should be firmly potted in three parts good loam with a fourth part of peat and enough sand or pulverized charcoal to make the soil sufficiently porous so that water will pass off freely, which, generally speaking, should be copiously applied, excepting when the plants are in a night temperature of about 40°; then greater caution should be exercised. After they have done flowering, they may be placed in a warm, moist temperature, say 60° at night, until growth is completed, when they may be removed to cooler and more airy quarters. At no time should they be allowed to become dry at the root, because a camellia should never be over-potted, and the ball of a healthy plant will be one mass of working, hungry roots, and if it is slighted in watering a few times the ball will naturally become dry to the very center. If that should be the case, an unusual effort will have to be made to give it a thorough soaking. This may be done, if the plant be not too large, by immersing it over the rim of the pot in a bucket of water, allowing it to remain an hour or so, until the operator is reasonably sure that water has penetrated to the very center of the mass of soil and roots. If it is impracticable on account of its size to give a thoroughly dry plant a good watering in the way indicated, a sharp pointed stick, or better still, a stout piece of iron sharpened to a long, tapering point, may be used to pierce holes towards the center of the ball, and then it may take several waterings before saturation is assured.

I have thought it necessary to be thus explicit on the watering question, because dryness at the root, I believe, is the most probable cause of the trouble. E. L.

TOMATO FROGMORE SELECTED.

Tomato Frogmore Selected.

The illustration gives a very good idea of this excellent under-glass tomato, which is rapidly making a place for itself in this country. Mr. Herrington tells me that he likes it better than any as a free cropping, free setting, medium sized variety and finds a ready sale for it on the New York market. The fruit is of medium size, very uniform and smooth in outline, almost round in shape, solid and very firm; color clear bright scarlet, with very deep flesh and remarkably small seed space. It was awarded a first-class certificate by the Royal Horticultural Society. Our cousins across the water certainly know a thing or two about selection and breeding and this tells even with our favorite fruit, the tomato, with which we had flattered ourselves we had almost reached the limit of perfection, and hardly expected to have the pleasure of welcoming improvements from abroad. There are now two foreign varieties, Sutton's Best of All and Frogmore Selected, that have made a place for themselves on this side as good forcers and there are a number of other promising new sorts under trial that may be heard from later.

G. C. WATSON.

Sutton & Sons, Reading, England.

The establishment of Sutton & Sons has long been one of the most famous in England and is well worth a visit, even at the season of the year when outdoor operations are suspended. Sutton & Sons are noted for the excellence of their seeds and the purity of stock sent out and the advanced price charged for their goods is warranted when the extra care is considered that is exercised to bring their product up to the highest possible standard. On the day of our visit a great many of the different varieties were being put up in packages ready for the spring trade. Such seeds as peas and beans are all sorted by hand. All the defective or small seeds are picked out and destroyed, thus insuring a uniformity of quality which can only be obtained by strict measures.

A visit to the accounting department must convince one that the business of this firm is enormous. Two ledgers each eight inches thick are required for the customers whose names begin with the letter S, which gives some idea of the number of accounts the concern carries. In the office there are some eighty or ninety clerks employed. It is claimed by this firm that one colonial agent has been supplied with a consignment of 60,000 packets of horticultural seeds. A single order for farm seeds filled thirty-nine iron tanks, each having a capacity of 400 gallons, and in one ship seed potatoes weighing nearly 100 tons were despatched to a customer in South Africa. With these facts some idea can be formed of the extent of Sutton & Sons' foreign trade, the stock for which is, in many cases, especially prepared.

Primulas and cyclamens occupy nearly all the greenhouses and among the primulas I noted some which pleased me very much. Personally I much prefer the single varieties, though some of the double ones seen here cannot fail to claim a great many admirers. Among the giant flowering varieties which appealed to me for their color, form, size and habit were Giant Pink, a light Daybreak; Giant Crimson, very fine color with darker eye, and Giant White, a grand flower. Sutton's Reading Blue and Sutton's Cambridge Blue are the two best blue primulas that have ever come under my notice and if grown well would be among our best selling pot plants, as would Sutton's Fern-leaved Blue, Crimson King, Snowdrift and Brillant Rose. Some of the excellent double varieties have very pretty crested foliage which is called moss curled. Several forms of Primula obconica grandiflora were in fine shape, as was a house of Primula stellata, which I consider the best of all primulas for decorative purposes, the plants being in full bloom a long time. There were two colors here, white and pink.

Among the cyclamens were some very fine forms, most of them of great size, each plant being covered with bloom. The most distinct variety of cyclamen I have seen is Suttons' Salmon Queen, which as the name implies, is a beautiful salmon pink, and, though not quite as large as some of the giant flowering varieties, it is a decided acquisition. Vulcan is an intense crimson, the darkest of all cyclamens, very much of the color of General Maceo carnation. These two varieties, with White Butterfly, took my

fancy the most. These plants are all grown for seed or for tests and experiments and I found everything done with a thoroughness which secured my admiration. CHAS. W. JOHNSON.

New York.

MEETING OF THE CLUB.—MUCH ENTHUSIASM.—REPORTS OF COMMITTEES.—SILVER MEDAL FOR THE BIG CARNATION.—NEW MEMBERS.—THE BUSINESS SITUATION.—SEEN AT FORD'S.—BURNS' NEW PROPERTY.—VARIOUS NOTES OF INTEREST.

The February meeting of the New York Florists' Club was one of the best on record. The air was full of enthusiasm on convention preparations and the elation of the sporting element over the bowling incidents of the afternoon was a potent factor in the case, as well. The various sub-committees made reports indicating substantial progress on convention work. That of the committee in charge of the exhibition schedule was particularly interesting and a very fine premium list is now assured beyond a doubt. In addition to the regular prizes it was voted that a special club trophy of $100 value be awarded to the society whose members win the largest number of premiums, either medals or certificates, at the horticultural exhibition. The report on the recent dinner, made by Chairman John N. May, was very gratifying in every respect and in this connection a cordial vote of thanks was passed for those who had contributed flowers and plants, also to Mr. Brower for arranging the decorations. Mr. Ward made a very pleasing and complimentary report on the recent dinner of the Dutchess County Horticultural Society at Poughkeepsie, which he had attended. A silver medal was voted as an award to Dailledouze Bros. for their superb carnation No. 666. There were present Messrs. Ed. Norman, from Lenox, and J. T. Butterworth, from So. Framingham, Mass., both of whom made pleasant remarks. Seventeen new proposals for membership were made.

Business is hardly up to expectations, it being the height of the season and the crop generally off, also a much livelier trade was, with reason, anticipated for this week, and especially for Valentine's day, than has been experienced. Violets tailed to show anything like their activity of the past and all other lines were proportionately slow. Roses are generally lacking in color, even in the best grades.

Shipments of remarkably fine Yellow Prince tulips with very long stems are coming in to Ford Bros. from W. Hillebrecht. A seedling white carnation seen at Ford's gives every promise of being a winner. The flower is large and well-built and stem is all right. It comes from Eastburn, of Kennett Square, Pa., and is named the Eastburn.

On the property recently bought at Spring Valley by A. S. Burns are one house of Scotts, 20x200, and four houses of violets and mignonette, each 12x100. Other houses will be added. It is generally understood that the investment is for A. S Burns, Jr., and is a good bargain as all of Mr. Burns' trades are reputed to be.

J. J. Perkins has formed a copartnership, the new firm being Ghormley & Perkins, and a lease has been taken of J. K. Allen's old stand at 57 West Twenty-eighth street.

A well-gotten up circular, signed by the officers of the New York Florists' Club and sent out from Secretary Young's office to florists within easy distance of the city, calling attention to the great convention and exhibit of next August, has developed much interest and resulted in a substantial increase in membership.

Thos. Young, Jr., has leased the vacant store next door to his present location, thus securing space which more than doubles his facilities.

B. Suzuki arrived from Japan on February 14.

Cleary & Co. will have another big Japanese sale on February 19 and 20.

Visitors: J. W. Elliott, Pittsburg, Pa.; E. J. Norman, Lenox, Mass.; J. T. Butterworth, So. Framingham, Mass.; J. M. Gasser, Cleveland, O.

Boston.

A BUSY WEEK AT THE HUB.—EVERYTHING SELLS AT SIGHT.—NO ADVANCE IN PRICES EXCEPT UPON EXTRA SELECT BRIDES AND BRIDESMAIDS —FARQUHAR LECTURES ON HAWAII.—EXCELLENT EXHIBITS.—HAYES ESTATE TO BE SOLD—POULTRY PRIZE WINNERS.—VARIOUS ITEMS.

This is a busy week with everybody in the flower trade. These are the days when the wholesalers' ice boxes stand empty and forlorn and the roses and carnations are distributed in little piles as soon as received, each with a piece of paper on top marked "sold," while the telephone keeps up a jingling continuously, and the most persuasive and conciliatory clerk is delegated to attend to its troubles. The market is early cleaned out, and before the doors of the big stores in the neighborhood are fairly opened the box carriers have taken their homeward way, pockets lined with good money, and every man an inch or two taller than he was, and with his head chock full of plans for doubling up either the price or the product or both at once. Still there is an unmistakable stubbornness in the air this season that bodes ill for any attempt to advance values beyond average limits, and the cause for present congratulation lies in the fact that everything is readily sold and nothing sacrificed, rather than that high prices are obtainable. The only advance of note over rates of last week is in the case of the highest grades of Bride and Bridesmaid roses, which, at present writing, are bringing $25 per hundred, but they are superb flowers. All qualities find buyers, however, and the good demand extends all the way down the list, even to the much-abused "bulb stuff," and violets are having the merriest kind of a time.

J. K. M. L. Farquhar delivered a lecture before a large audience at Horticultural Hall on Saturday, February 10, on the Gardens, Fields and Wilds of the Hawaiian Islands, illustrated with a series of beautiful stereopticon views. On the exhibition tables in the lower hall were a number of interesting contributions, including a grand Cattleya Trianæ with forty blooms, from Jas. Brydon, gardener to Bayard Thayer; another cattleya, and an unidentified oncidium from Peter B. Robb, gardener to Edw. Whitin; a collection of cut flowers from Mrs. Gill, and one of the best lots of violets ever shown here, from James Comley.

A decree has been allowed in the Supreme Court, authorizing the trustees of the F. B. Hayes estate, at Lexington, to sell the property as a whole or to lay out streets through the grounds and sell in house lots, as may be found most advisable.

James Rough and Judge Hoitt returned from the New York poultry show with no end of ribbons, and strutting with a self-consciouness rivaling that of their prize pouter pigeons. A special silver cup, valued at $100, was among Mr. Rough's trophies.

C. W. Ward, of Queens, N. Y., is announced to talk before the Massachusetts Horticultural Society on "Carnations and their Development," on March 10.

Prof. C. S. Sargent returned on February 4 from a short European trip.

F. Law Olmstead, Jr., has been appointed to conduct the new course in landscape architecture at Harvard University.

Visitors: J. M Gasser, Cleveland, O.; W. E. Chappell, Providence, R. I.; Geo. Cooke, St. Albans, Vt.; C. B. Knickman, New York, and John Gunn, Whitinsville.

Chicago.

A WEEK OF HEAVY BUSINESS.—LOCAL BUYING AND SHIPPING TRADE BRISK.—A CONTINUED SHORTAGE OF STOCK.—VIOLETS THE ONLY ITEM IN THE DUMPS.—REINBERG RECEIVING NEW CARNATIONS.—SUPT. FALCONER IN TOWN.—JOTTINGS HERE AND THERE.—VISITORS.

This has been a busy week in the wholesale district, the busiest week since Christmas. The local retailers have been buying heavily and the shipping orders have been coming in at a rate which puts a "quietus" upon the croaker who decants upon the decadence of the country trade. A great many of the orders came from long distances and called for large quantities of material, and some of them were not shipped in full. The rose cut is increasing and fair quantities were available for the ordinary demand, but the increased call could not be met in all cases. It must be borne in mind that only a portion of any day's receipts is good enough for shipping, and that local buyers must have a part of that. Carnations have been ordinarily plentiful and generally of excellent quality, but the demand has consumed them all; in fact the only item at all slow is violets, and there have been few too many of the first quality in this line. It is rumored that a speculator last week, planned a corner on violets, but it has not developed, and probably will not. Some weeks since, when violets were much scarcer than at present, a retailer had use for a large quantity, and in a few hours placed orders for 70,000 for delivery next morning. One commission house stated this week that they should welcome an order for 50,000 violets for the next morning.

Peter Reinberg has received 3,000 cuttings of The Marquis carnation, a big shipment of Genevieve Lord cuttings from Weber & Sons, and 1,000 of the new white, Peru. It is all good stock. Mr. Reinberg has a big order in for cuttings of Mrs. Lawson, and will have all the new and most of the old favorites on his place next season.

Adam Schillo, who enjoyes almost a monopoly of the lumber trade of the big growers north of Chicago, finds the florists' trade so desirable that he is reaching out for orders from near-by states. He supplied the posts, siding and bench lumber for the South Park Floral Company's new range at New Castle, Ind.

Superintendent Falconer, of Schenley Park, Pittsburg, was a visitor early in the week. Mr. Falconer is taking a brief vacation and intends to visit Den-

ver, Salt Lake City and various coast points.

A. Dietsch & Co. have shipped the cypress for the big range of new houses for the South Park Floral Co., of New Castle, and building operations will be rushed to completion as soon as the weather will permit.

Mrs. Windmiller, of the Windmiller Co., Mankato, Minn., who has been in this city for the past two months, returned to her home on Tuesday.

Wietor Bros. sent their pink sport from Armazindy to the carnation meeting at Buffalo.

There is an unusually good display of Harrisii lilies at Washington Park.

Visitors: T. C. Joy, Nashville, Tenn.; Wm. Clark, Colorado Springs, Col.; J. F. Wilcox, Council Bluffs, Ia.; Geo. H. Bancroft, Cedar Falls, Ia.; J. E. Killen, New York; B. Eschner, Philadelphia; Herbert Heller, New Castle, Ind.

Baltimore.

LARGE CONTRACTS FOR BEDDING MATERIAL.—THE PRICES.—CLUB MEETING FULL OF SPIRIT.—PROFITS OF CARNATION GROWING.—PANDORA'S BOX.

The city contracts for bedding plants were finally given out on February 12, as follows: E. A. Seidewitz is to furnish 92,000 at the following rates: Alternantheras, $20 per thousand; acalyphas, $41; cannas, dwarf French in 4 inch pots, $48; celosia, in 3-inch pots, $35; Achyranthes Lindenii, 2½-inch pots, $23; oxalis, 2½ inch pots, $25; Lorenia Montenegro, 2½-inch pots, $25; geraniums, 4 inch pots, $50; ricinuses, 4-inch pots, $38; coleus, 2½-inch poth, $20; petunias, single, 2½-inch pots, $20. The Ruxton Floral Co. furnishes about 45,000 plants, all in 2½-inch pots, at the following rates: Ageratums, $20; coleus, $20; salvias, $25; Vinca rosea, $20. Black Bros. received the contract for $25,000 plants, all in 2½-inch pots, at the following prices: Centaurea, $20 tagetes, $20; Pyrethrum aureum, $18; dwarf nasturtiums, $20; rudbeckias, $20; zinneas, $20; echeveria, three varieties, $35; Caladium esculentum, 4-inch pots, $40. Smaller lots were awarded to G. V. Smith, I. H. Moss, Fred. G. Burger and Wm. McRoberts, Jr.

The club met on the evening of February 12, and there was enough energy in the members present for two meetings. Three new members were elected, Wm. Fraser, W. Norris and H. F. Michell, of Philadelphia. After this, and the appointment of a committee to visit Mr. Julius Lischinger, whose entire left side was paralyzed last week, Robt. Halliday addressed the club in favor of the American Carnation Society and secured a number of members for it and also aroused a determination to have it meet here next year, if possible.

P. C. Erdman's address on the question of the profits in carnation growing was listened to with marked attention and subsequently several members gave their opinions. Mr. Moss thought 2 cents the least that Scott and McGowan could be grown for, and 3 cents the least for fancy varieties. This seemed about the sentiment of all.

The question box was a genuine Pandora's box. The first query was in regard to the city purchasing bedding plants from outside men. As the members present were mostly from inside the limits they had the ensuing debate largely their own way, ignoring the fact that the largest contract went to a man who has been running a store in the city for years. The next question was, "Should the club discourage wealthy capitalists from engaging in the flower business?" A number of members had their say about this, all in the affirmative, when Mr. Binder, at whom the question was aimed, arose and made a statement of the reason why Mr. Parr, his employer, contemplated putting $10,000 in new greenhouses, which silenced all further discussion.

There were several good exhibits on view. MACK.

St. Louis.

VALENTINE'S DAY BRINGS EXTRA DEMAND.—A NEW WHOLESALE HOUSE.—NOTES AND VISITORS.

Valentine's day created a demand for choice roses, lily of the valley, violets and Harrisii lilies. The supply of American Beauty roses is limited to a very few and only the wealthy can enjoy them. Good Brides and Bridesmaids are bringing from $6 to $10 per hundred and some extra fine stock as high as $12. Carnations have become scarce but the growers report prospects good for a heavy crop as soon as the weather brightens.

Hudson & Co. have opened a wholesale store with George Walters, the wire design maker, at 1527 Pine street. John M. Hudson is the pioneer wholesale man of St. Louis.

Wm. E. Jordan, who succeeded the Jordan Floral Co., at their greenhouses on Union avenue, report a good business in the retail line.

Ellison & Tesson had a very pretty novelty in the way of a violet box for Valentine's day.

Visitors: B. Eshner, Philadelphia; H. Johans, Collingsville, Ill; Dr. Halstead and Wm. Willow, of Belleville, Ills.

J. M. H.

Pittsburg.

ROSES MORE PLENTIFUL BUT PRICES REMAIN FIRM.—CLUB ELECTS OFFICERS.—CARNATIONISTS GO TO BUFFALO.

Disagreeable weather has tended to make the flower market somewhat uncertain this week. High-grade roses seem to be a little more plentiful but the values have not changed. Funeral work is still using up large quantities of stock.

The Pittsburg and Allegheny Florists' and Gardners' Club met on February 8, and the following officers were elected: President, E. C. Rineman; vice-president, E. C. Ludwig; secretary, T. P. Langhans; assistant secretary, Geo. Oesterle; treasurer, James Semple; executive committee, P. S. Randolph, Fred Burki and John Bader. J. B. Ferguson was proposed for membership.

The Pittsburg delegation to attend the carnation convention at Buffalo are Fred Burki, Wm. Lauch, J. W. Ludwig, Chas. Siebert, B. L. Elliott, J. J. Murchie and his son.

Visitors: J. M. Gasser, Cleveland; Arnold Ringier, Chicago. G. O.

Joliet, Ill.

The Chicago Carnation Co. is now very busy shipping rooted cuttings of carnations, no less than 75,000 having been already shipped this season. The purchasers of this stock have not yet registered a single complaint, a fact which speaks well for its character. Great care is exercised in the selection of cuttings, and it is thought on this account that the supply of some leading sorts will run short. The demand of high-grade cut blooms at good prices continues surprisingly large. One or two seedlings of unusual merit will be ready for distribution next year, and it is the firm's intention to place several others on the market the following season.

The new establishment of Joseph Labo, Raynor avenue and Shield street, is now in shape for business with good stock and plenty of it. Daybreak carnations grown here in a solid bed are very fine, also Princess of Wales violets. Mr. Labo has a fine line of geraniums for the spring trade.

John Hinds is now in charge of the Illinois State Penitentiary greenhouses.

Chicago's Misfortune.

The following item appeared in the Chicago *Record* of February 12:

The Illinois House of Correction is about to try an interesting experiment in the reformation of women criminals. Superintendent Sloan has built three large greenhouses, covering a space of four thousand square feet, in which it is intended to grow roses, carnations and chrysanthemums for the Chicago market. The women-prisoners will work in the greenhouses under direction of an expert horticulturist, and it is expected that contact with the growing plants will have a softening and regenerating effect on the hardened natures of the unhappy inmates of the institution.

That's tough on Chicago. Now let the insane asylums, the poor houses and the penitentiaries follow suit with their "softening influences" so that in the concatenation of events the poor devils of flower growers around Chicago may have a little less bread and butter for their hungry kids, and fewer clothes to keep out the icy blasts of Lake Michigan. Anything, O Lord! so long as the Jezebels are softened. G. C. W.

Catalogues and Cut Flower Price Lists Received.

Schlegel & Fottler, Boston, Mass., seeds; J. Chas. McCullough, Cincinnati, O., seeds; Biltmore Nursery, Biltmore, N. C., trees and shrubs, wholesale; James Vick's Sons, Rochester, N. Y., seeds; Archias Seed Store, Sedalia, Mo., seeds; Schmidt & Botley, Springfield, O., plants; Mt. Desert Nurseries, Bar Harbor, Me., trees, shrubs and hardy herbaceous perennials, wholesale; D. M. Andrews, Boulder, Colo., plants and seeds; Waldo Rhonert, Gilroy, Cal., seeds; Chicago Carnation Co., Joliet, Ill.; rooted cuttings and cut flowers; H. G. Faust & Co., Philadelphia, Pa., garden, field and flower seeds; Lewis Roesch, Fredonia, N. Y., trees, shrubs, vines, plants and bulbs; S. T. Danley, Macomb, Ill., rooted cuttings and pot plants; Johnson & Stokes, Philadelphia Pa., garden and flower seeds; W. W. Wilmore, Denver, Colo., dahlias, wholesale and retail; W. Atlee Burpee & Co., Philadelphia, Pa., garden and flower seeds; Webster Bros., Hamilton, Ont., plants, wholesale; Dingee & Conard, West Grove, Pa., plants; Wm. Swayne, Kennett Square, Pa., carnations and violets; Vilmorin-Andrieux & Co., Paris, France, seeds and bulbs; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; J. B. Deamud, Chicago, Ill., cut flowers; The Fraser Nursery, Huntsville, Ala., trees and shrubs; Vaughan's Seed Store, Chicago, Ill., seeds; T. S. Hubbard Co., Fredonia, N. Y., grape vines and small fruits; Geo. Hancock & Son, Grand Haven, Mich., carnations; J. L. Dillon, Bloomsburg, Pa., rooted cuttings and cut flowers; Stewart's Seed Store, Omaha, Neb., seeds.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

WELL informed glass men now say the price of that commodity may soon go lower.

IT seems that Buffalo is the convention city, not only of the current week, but of the coming year.

E. MOLYNEUX states that Chrysanthemum Mrs. W. C. Egan and C. Countess of Warwick are synonymous and it is highly prized by him.

THE cost of labor and supplies has advanced very considerably in the past few months; the atmosphere of the entire country is saturated with prosperity. If there ever was a time to advance prices in the flower, seed and nursery trades, if there ever will be such a time, that time is now. Let every florist, seedsman and nurseryman take advantage of it.

Names of Plants.

Southboro: No. 2, Begonia semperflorens gigantea rosea; No. 4, Begonia Gloire de Sceaux. The other two specimens were so meager as not to permit of identification.

A New Lily.

In a recent bulletin Prof. W. F. Massey, of the North Carolina Experiment Station, Raleigh, N. C., describes a new lily under the name of Lilium Masseyi. The plant is a native of the high mountain meadows of North Carolina and blooms in July and August, producing reddish-orange flowers.

A Novel Suit.

Some months ago John Coleman, of Williamsport, Pa., instituted remarkable legal proceedings against Daniel E. Gorman, who owns greenhouses directly across the street from Coleman's residence. The plaintiff alleged that the glass sides and roof of the greenhouses are constructed at such angles that at all times when the sun is shining the beams are reflected so that they strike Coleman's lot and the dwelling house with such brilliancy as to render the rooms in the front part of the house and the porch uninhabitable, useless and unfit for occupation and dangerous to the health of the occupants of the dwelling. Mr. Coleman therefore asked for relief as follows: First; that the greenhouses be declared a nuisance; second, that the defendant be compelled to remove the same, and third, that he be restrained hereafter from maintaining buildings constructed of glass on his premises.

The court, after hearing the evidence in the case, gave Mr. Gorman until May 1, 1900, in which to remedy the matter and do away with the reflection, and stated that in the event of his failure to do this, he would grant the injunction as asked. Needless to say, Mr. Gorman feels that this is a very unjust decision, but he has not taken an appeal. If this is good law there may be a good many reflections which will land greenhouse owners in court.

Greenhouse Building.

Highland, N. Y.—A. W. Williams, one violet house.

Detroit, Mich.— Louis C. Nall, four houses 25x100.

Bradford, Mass.—J. W. Chadwick, one forcing house.

Colora, Md.—Geo. Balderston, one house.

Knoxville, Tenn.—Chas. Crouch, two rose houses.

West Mentor, O.—Carl Hagenburger, five houses.

Beaver, Pa.— T. M. Fitzgerald, one greenhouse.

Baltimore, Md.—Kerr & Grecne, one greenhouse.

Gardenia Culture.

ED. AM. FLORIST:—What is the best method of propagating gardenias, and how are they most successfully flowered? What is the best variety for market work?

J.

The best gardenias are G. florida and G. Fortunei, though there is a kind in commerce here, under the name of G. Veitchii, which is without doubt one of the above named, and desirable for commercial culture. Propagation is easily effected by cuttings of mature growth in a good strong bottom heat such as is used for the rooting of crotons and other warm house plants. The crop is not available in mid-winter, but from this time on until late fall, the flowers are produced continuously in a temperature of 58° to 60° at night. Rich soil similar to that used for roses is desirable, with abundance of manure water when growing and blooming, as heat and plenty of food are necessary to produce the best results.

E. O. ORPET.

The Federal Inspection Bill.

When the so-called Barlow Bill was first introduced in Congress it was the purpose of its framers to secure a just and uniform protection to all nurserymen, dealing as it did with the matters of inspection of both imported and domestic stock, and it was the intention of the gentlemen in charge to refrain from any act which should involve the florist trade. To this end Section 8 of the bill read: "That the provisions of this Act shall not apply to florists' greenhouse trees, shrubs, plants, bulbs, and so forth, commonly known as florists' stock."

The bill was lost sight of, by all save those most directly interested, in the session in which Congress grappled with the questions of the Spanish war, but has now been re-introduced at the request of C. L. Watrous, of Des Moines, Ia., chairman of the committee on legislation of the American Association of Nurserymen, and recently that committee, with others interested, met at Washington to urge its passage. They found no opposition to the bill in the sub-committee of the House, and it was subsequently reported favorably, but with slight, though important, amendments.

Most important of these amendments, from the florist's standpoint, is the insertion of the words "in interstate commerce" after the word "apply" in Section 8. This has the effect of making all the restrictions of the proposed law apply to florists' stock imported into the United States.

The provision which now must command the attention of all importing florists is as follows:

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That it shall be unlawful for any transportation company, after July 1, 1900, to offer for entry at any port in the United States any trees, plants, shrubs, vines, grafts, cuttings and buds, commonly known as nursery stock, unless accompanied by a certificate of inspection by a government official of the country from which the exportation was made, which certificate shall be made in the manner and form prescribed by the Secretary of Agriculture, certifying that the contents have been examined and found apparently free from all insect and fungous diseases dangerously injurious to nursery stock. In case any nursery goods are offered for entry without said certificate, it shall be the duty of the collector immediately to notify the Secretary of Agriculture, who shall arrange for inspection, and said collector shall not allow them to pass within the jurisdiction of the United States until proper certificate of inspection has been received. And after the aforesaid date, July 1, 1900, all nursery stock imported in accordance with the aforesaid regulations shall be free from all further inspection, quarantine, or restrictions in interstate commerce; but the Secretary of Agriculture may at any time relieve such articles from inspection by a specific order."

If it is the intention of the committee to make this Act apply to all imported florists' stock, of whatever description, such as palms, bay trees, araucarias, azaleas, bulbs, etc., it would seem that the section just quoted should be re-written to make that point perfectly clear, and that action should not be taken without first looking at the matter from the view point of the legislative committees of the S. A. F. and the New York Florists' Club.

Publications Received.

GARDENS ANCIENT AND MODERN.—*By A. B. Sieveking.*—The Macmillan Company, New York.—This is an interesting volume of extracts in praise of gardens and gardening from the works of the most famous of ancient and modern writers. The matter is well chosen and will, no doubt, prove valuable to students of the evolution of horticulture. The book is freely illustrated with reproductions of many fine old prints and pictures in the best style of the engraver's art.

ANNUAL REPORT OF THE MISSOURI BOTANICAL GARDEN.—We are in receipt of the Eleventh Annual Report of the Missouri Botanical Garden. It is, as usual, a handsome and well illustrated volume, and in addition to the regular statistics, contains a number of papers of purely botanical interest.

LOUISIANA'S INVITATION. — Louisiana State Board of Agriculture and Immigration.—We are indebted to Harry Papworth, of New Orleans, La., for a copy of this profusely illustrated account of Louisiana and its resources.

OBITUARY.

ALFRED CHATFIELD.

Alfred F. Chatfield died at Lynn, Mass., February 6. He was of English birth but imigrated to Albany, N. Y., when a young man. Subsequently he became interested in the florist and nursery business. He was a prominent Mason.

OTTO KOZLOWSKI.

Otto Kozlowski, president and manager of the Farmer Seed Co., Faribault, Minn., died of heart failure February 6, aged 36 years. Mrs. Kozlowski and a little daughter survive. Deceased was formerly with W. Wernich, of Milwaukee, and at one time was assistant editor of *Haus und Bauernfreund* of the same city. The Farmer Seed Co., will continue business as heretofore, Wm. Kueker, brother-in-law of the deceased, assuming the duties of president and manager.

FRANK BECKER.

Frank Becker, of Cambridge, Mass., died Sunday, February 11. Mr. Becker had been in failing health for the past eight years, and suffered greatly for ten days preceding his demise. He was born in Gonsenheim, Germany, seventy years ago next August. He came to this country when twenty-eight years of age. His first employment was in Mt. Auburn Cemetery, where he had a position as foreman, and when he left there it was to go into a business of his own, since which time he has been identified with the florist business in Cambridge. Four years ago he retired from active connection with the business and it has been conducted by his son, F. C. Becker, since that time. Mr. Becker was a member of the Massachusetts Horticultural Society, and, until recently, of the Society of American Florists, from which he withdrew on account of his illness. He has made many sincere friends in the profession, and always retained the respect and esteem of his brother florists, to whom the news of his death will bring sadness. The funeral took place on Wednesday, February 14, and was attended by a large number of his former business associates.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—As grower of roses, carnations, 'mums and general stock. Age 25. Address LOYD H. WILKINSON, Niles Center, Ill.

SITUATION WANTED—By a first-class florist, competent to fill any position, commercial or private. Address A B, P. O. Box 131, West Orange, N. J.

SITUATION WANTED—As foreman, at present at J. C. Vaughan's greenhouses, German, aged 34, 20 years' experience. CHAS NITZ, Western Springs, Ill.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—By first-class rose grower, single, 10 years' experience in growing first-class cut flowers. State wages. Address C H M, care American Florist, Chicago.

SITUATION WANTED—By gardener, married, prefer private place. Understands cultivation of flowers, fruits and vegetables under glass. First-class references. Address J H, care Am. Florist.

SITUATION WANTED—By reliable grower of general commercial stock as working fureman or assistant. Good references. Pennsylvania or New Jersey preferred. Address O K, care Am. Florist.

SITUATION WANTED—As foreman by a first-class grower of roses, carnations, etc. 18 years experience, sober and reliable, married. Address FLORIST, care A Brestel, N. Fairmount, Cincinnati, O.

SITUATION WANTED—By a thoroughly reliable all-around grower and landscape gardener; German 12 years' experience; competent to fill any position. Private place preferred. Address ERNEST PRIGGE, Alberton, Md.

SITUATION WANTED—As gardener and florist; single; 15 years' experience in all branches of the business. Also experienced in growing vegetables under glass. Al references. Address F, care American Florist, Chicago.

SITUATION WANTED—By an experienced grower to take charge of commercial place (wholesale or retail). Ten years' experience, age 32, single, strictly temperate; salary $30 per month. Address GROWER, care American Florist.

SITUATION WANTED—After March 1, 1900 position as a gardener and florist with 10 years' experience on commercial and private places; age 25, best of references. Private place preferred. Address J. OLEARSKI, B x 341, Hempstead, L. I.

SITUATION WANTED—As foreman on a place where A1 stock of roses, carnations, mums, etc., is wanted. Married, small family, 3 years on present place. Best of references. G. E. ANDERSON, care Wietor Bros., Rogers Park Sta., Chicago, Ill.

WANTED—Two good plant packers; only those thoroughly posted in this line wanted. Apply VAUGHAN'S GREENHOUSES, Western Springs, Ill.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—A good rose grower to take charge of rose houses. State wages wanted and references. Address A H, care American Florist.

WANTED—Second man, single, in rose growing establishment near New York City. Wages $20 per week and board. Address H, care W. J. Stewart, 67 Bromfield St., Boston.

WANTED—A handy man with experience at piping, glazing and carpenters' tools to work around greenhouses. Must be sober and of good habits. Apply with references. CARPENTER, care Am. Florist.

WANTED—A young man to take half interest in a well paying florist business, in a good location, center Wisconsin, with about $700 cash. Must be a hustler; prefer a German. Address FLORIST BUSINESS, care American Florist.

TO RENT—For cash or share, greenhouses of 9,000 feet in full operation. Address GREENHOUSES, care American Florist.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Leasehold of store and greenhouse in Chicago; bargain. Established business. Leaving city. Address S H, care American Florist.

FOR SALE—On account of bad health, fine retail business in city of 40,000. 4000 ft. glass well stocked; dwelling, barn and stable on electric car line. Very reasonable. Address E, care American Florist.

FOR SALE—Greenhouse plant, four large houses (new), iron and cypress construction; large dwelling, ½ acre city lot on street car line. Finest heating in existence, and heats dwelling also. Steam heating, vacuum steam heating (new wrinkle) or water heating. Either of these three can be used, (am using vacuum steam at present and it beats everything). Good cellar for mushroom growing. Address A. T HOYT, Warren, Ohio.

FOR RENT OR SALE.

15,000 square feet of Glass, all new houses, with modern improvements; heated by steam, house and barn on acre of land. Rent, $50.00 per month without stock. Right opposite Woodmere Cemetery entrance, one of the largest cemeteries in the State of Michigan, and one of the best stands outside Detroit. One mile from city limits.

ANTON KAIER,
WOODMERE P. O. MICH.

WELL, YOUNG MAN, Why don't you go west and make some money. Here is an opportunity. I offer a first-class, established florist business for sale. Greenhouses well stocked with plants for the trade, 2500 carnations in full bloom, etc., etc. Street cars go to the door. Business established 1890. In connection own brick building specially erected for down town store, in heart of the city, with four years' lease yet, 21 ft. front, nicely furnished. Take $1500 for the whole business complete, as owner must be in Germany in a short time. Write or wire. First comer gets it.

THE FLEISCHER GREENHOUSES, Pueblo, Colo.

WANTED, A SITUATION AS MANAGER OR FOREMAN.

The undersigned would like to correspond with anyone requiring the services of a manager or foreman, thoroughly competent and of good executive ability, to take charge of an establishment where good stock of every description is wanted. Seven years as foreman for W. N Rudd, Mount Greenwood, Ill. Can furnish excellent references as testimony of my ability to fill such a position. Address CHAS. W. JOHNSON, 30 Beach St., Stapleton, Staten Island, New York.

FOR SALE.

Owing to the state of my health I am compelled to dispose of my Greenhouses at Niles Center, Ill. This is a well-known establishment, 51,000 feet of glass, in first-class growing condition, stocked with Roses, Carnations and general stock; 3 acres good land. 7-room dwelling on another acre which will be sold if purchaser desires it. This place is in the region of successful growers, and responsible parties will find this a rare bargain. Address

HERMAN SCHILLER, 897 W. Madison St., Chicago.

FOR SALE. A first class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's **Florist**, care Am. Florist.

FOR SALE

102 acres fine land, part cultivated	$2,800.00
Lot 52x241, four greenhouses, sheds, etc.	3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain	3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling	4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc.	6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business	7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling	9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

A RARE CHANCE

To Buy Greenhouses at Half Price.

Extent. 52 acres on the main road between St. John and Rothesay on the Inter-Colonial Ry. The **Dwelling House** consists of 5 bedrooms, double parlor and bath, dining room, all attached consists of 3 bedrooms, kitchen, also pantry, wash and milk room. Heated with hot water. **Out Houses**, barn, (4 stalls), carriage house, cart shed, ice house, hen house, etc., also potting shed.

Glass. Rose house.....100x16 ft.
" " .....110x25 "
Carnation house.....100x16 " built 1899
Plant house.....36x12 "
Violet house.....20x12 "
Chrysanthemum house 66x25 "
Fern and Palm house... 52x16 " recently burned.

Insurance, $12,500. **Rates and Taxes**, $22.00 county, road and school tax. **Water**, supplied by springs and wells on the estate. **Cold Cellar** for storing bulbs, etc.

The dwelling house stands 150 yards back from the main road, about three minutes walk from Torryburn Station on the Inter-Colonial Railway surrounded by lawns, shrubbery and two or more acres of grass land for cutting hay and pasture later in the season.

The glass houses are still farther back, enclosed and well sheltered from all quarters from winds and storms.

The flower and vegetable garden lays in connection with the glass and fenced in, comprises about three acres for growing cut flowers for the summer months and stock for winter blooming in the houses, also vegetables and small fruits, raspberries, currants, etc.

Pasture about 16 acres cleared for pasturing cows, etc., and obtaining sod, etc., for filling the benches in the house.

The remainder is chiefly woodland from which can be obtained any amount of Moss, Princess Pine, hardy ferns, etc. in connection with the florist's business according to the demand.

An established business of over twenty years in the city, five miles from conservatories. Will sell at a low figure. Business could be increased double by a competent man, selling everything in connection with the florist trade as there is no such place in the city.

N. F. McCARTHY & CO., Agents,
84 Hawley St., BOSTON, MASS.

The writter of the above has for years dealt with the owner of this place and can assure any one wishing to purchase it that it is a rare chance to buy a good business for little or nothing.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Providence, R. I.

Hazard & Wood have opened a very showy store, corner of Mathewson and Chapel streets, having closed their store on Westminster street.

The new firm of Rennie & Pino have opened a seed store and will handle florists' supplies. Mr. Rennie has been associated with Walter A. Potter & Co. for a number of years, and Mr. Pino with Wm. Elliott & Son, New York.

Funeral work seems to be the only thing doing just now. Roses have been exceedingly scarce, with a fair supply of other material. LITTLE RHODY.

HOLYOKE, MASS.—John N. May, of Summit, N. J., will talk on roses at a union meeting of the Holyoke, Northampton and Springfield horticultural societies, to be held in this city on March 7.

TOLEDO, O.—M. L. Moore has been re-elected superintendent of parks. Last year the visitors at the parks aggregated 625,000, and this year 250,000 plants will be used for bedding. The material is now being propagated.

Wholesale Flower Markets

CINCINNATI, Feb. 15.

Roses, Beauty, select	50 00
" " medium	20.00
" Bride	6.00@ 8.00
" Bridesmaid	6 00@ 8 00
" Meteor	5.00@ 7.00
" Perle	4.00@ 5 00
Carnations	1 50@ 2 00
" fancy	3.00@ 4 00
Lily of the Valley	3.00
Violets	50.@ .75
Narcissus	2.00@ 3 00
Roman Hyacinths	2 00@ 3.00
Callas	10.00@12 50
Harrisii	10.00@12.50
Daffodils	3.00
Tulips	2.00@ 5.00
Asparagus	50 00
Smilax	12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, Feb. 15.

Roses, Beauty	10.00@20.00
" " fancy	25.00@50.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6 00@ 8 00
" Perle, Wootton	4.00@ 6.00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4.00
Violets	.40@ 60
Narcissus	2.00@ 3.00
Romans	2.00@ 3 00
Callas	10.00@15.00
Harrisii	12 50@15.00
Tulips	2.00@ 4.00
Freesias	1 00@ 2.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Sweet Peas	1.50@ 2.00

MILWAUKEE, Feb. 15.

Roses, Beauty, long, per doz.	5.00@ 8.00
" " medium " "	3 00@ 5.00
" " short " "	1.00@ 1.50
" Bride, Bridesmaid	6.00@ 8.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations	1.00@ 3.00
Violets	.75@ 1.00
Roman Hyacinths	3.00@ 4 00
Mignonette	2.00@ 3.00
Freesias	3.00
Adiantum	1.00@ 1 50
Common ferns	25
Smilax	15.00@18.00
Asparagus	75.00

PITTSBURG, Feb. 15.

Roses, Beauty	5.00@40.00
" Bride, Bridesmaid	4.00@12.00
" Meteor	4.00@12.00
" Kaiserin	4 00@12.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6 00
Carnations	.75@ 3.00
Lily of the valley	3 00@ 4.00
Violets, double	.50@ 1 00
" California	.35@ .50
Narcissus Paper White	2.00@ 3.00
Roman Hyacinths	1 50@ 3.00
Harrisii	15 00@20.00
Freesias	3.00@ 4 00
Tulips	1.00@ 3.00
Mignonette	1.50@ 4 00
Smilax	10 00@15.00
Wild Smilax, per case 3.50@6.00	
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax Leaves	.15

Cyclamen Plants.

THE management of the Rosebank nurseries has decided, in order to make space for other crops, to dispose of the stock of cyclamen plants reserved for special city trade.

This stock is in the best possible condition of form, foliage and florescence, and will be so packed that we have no hesitation in guaranteeing its safe arrival.

Five and Six Inch Pots, averaging twelve blooms each, Six Dollars per dozen.

NO CHARGE FOR PACKING.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of CARNATIONS FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

HUDSON & CO.
WHOLESALE FLORISTS,
1527 PINE STREET,
Phone, Kinloch D 83. ST. LOUIS, MO.
Consignments Solicited. Prompt returns guaranteed.

Catalogue Illustrations.

We sell Electros of the fine illustrations used in the AMERICAN FLORIST at 15 cts. per square inch. Send list of your needs to.....

THE AMERICAN FLORIST CO.

FANCY DAGGER

HARDY Cut Ferns!

$1.00 PER 1000.

GALAX LEAVES.....$1.00 per 1000
BOUQUET GREEN.....4 cts. per lb.
SPHAGNUM MOSS.....75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order.....3 to 8 cts. per yd.
XMAS TREES, both Spruce and Balsam, for decorations, from 4 to 20 ft. Price very reasonable.
BAILED SPRUCE, for cemetery use, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen. CYPRIPEDIUMS, $15.00 per 100.

	Per Dozen.	
AM. BEAUTIES, Ex. long	$7.00 to	$8.00
" 24-inch stems,	5.00 to	6.00
" 20 " "	4.00	
" 15 " "	3.00	
" 12 " "	2.00	
" short "	1.00	
	Per 100	
CARNATIONS, fancy	$3.00 to	$4.00
" standard vars. asst.	1.00 to	2.00
BRIDES	6.00 to	10.00
BRIDESMAIDS	6.00 to	10.00
METEORS	6.00 to	10.00
PERLES	4.00 to	6.00
VALLEY	3.00 to	4.00

	Per 100.	
VIOLETS, double	$1.00 to	$1.25
" single	.50 to	.75
ROMANS	2.00 to	3.00
NARCISSUS	2.00 to	3.00
ADIANTUM	.75 to	1.00
ASPARAGUS	50 cts.	
SMILAX	$1.50 per doz.	12.50
GALAX Green or Bronze, $1.25 per M.		.15
FANCY FERNS...$1.25 per M. (Vermont Fern Co.'s very best.)		.15
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.		$2.50
No. 2 " 20 lbs.		3.50
No. 4 " 35 lbs.		4.50
No. 5 " 40 lbs.		5.50
No. 6 " 50 lbs.		6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's

Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, BULBS, ETC., ETC.

We are strictly headquarters in the Western States for MASSACHUSETTS FANCY FERNS,

Present prices: Per M. $1.25; per 5 M lots, $5.00.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Cernations, Blooms end Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO, Feb. 16.

Roses,	Beauty, extra long stems		6.00@ 8.00
"	" 30 inch	"	5.00
"	" 24 "	"	4.00
"	" 20 "	"	3.00
"	" 15 "	"	2.00
"	" 12 "	"	1.50
"	" 8 "	"	1.00
"	Bride, Bridesmaid.		8.00@12.00
"	Perle		4.00@ 6.00
"	Meteor		8.00@10.00
"	Kaiserin		8.00@10.00
"	La France		6.00@ 8.00
"	Golden Gate		10.00
Carnations			1.50@ 2.00
"	fancy		3.00@ 4.00
Violets, double			.50@ 1.00
"	single		.40@ .50
Lily of the Valley			3.00@ 4.00
Cattleyas	per doz.		4.00@6.00
Dendrobiums	"		3.00
Lilacs	per doz.,		$1.00
Mignonette			1.00@ 2.00
Roman Hyacinths			1.00@ 2.00
Narcissus			3.00@ 4.00
Harrisii			10.00@12.00
Callas	per dozen		1.50@2.00
Freesias			1.00@ 3.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy Ferns			.20
Smilax			8.00@10.00
Asparagus			50.00@50.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street. CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT PITTSBURGH, PA. — Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN
Always on Hand:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

Closed Palm Leaves

Are used in CHURCHES on PALM SUNDAY. Orders taken now for shipment wherever desired. Small 12-18 in., $7.50 per 100. Large 24-36 in., $15.00 per 100. F. O. B. Orlando. Cash before shipment. Florida Natural Products Co., Box 327, Orlando Fla.

Wholesale Flower Markets

PHILADELPHIA, Feb. 14.

Roses, Tea	6.00@10.00
" " extra	10.00@12.00
" Beauty, extra	40.00@50.00
" " firsts	20.00@30.00
" " seconds	6.00@12.00
Carnations	1.00@ 1.50
" fancy	2.00@ 4.00
Lily of the valley, Romans	3.00@ 4.00
Violets	50@ 1.00
Daffodils	5.00@ 6.00
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	25.00
Adiantum	1.00

BOSTON, Feb. 14.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	4.00@ 8.00
" " extra	16.00@25.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	2.00@ 3.00
Violets, single and double	50@ .75
Daffodils	2.00@ 4.00
Longiflorums	8.00@12.00
Callas	8.00@10.00
Freesias	.50@ 1.00
P. W. Narcissus, Roman Hyacinths	1.50@ 2.00
Mignonette	3.00@ 4.00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

In either stiff or flexible cover. ADDRESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

Galax Leaves
To Dealers Outside of New York City.
Choice Galax.....$0.40 per M.
Choice Leucothoe..... 2.00 "
Special attention given orders to go in cold storage. Order at once.
J. N. PRITCHARD, ELK PARK, N. C.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Feb. 14.

Roses, Beauty select	40.00@60.00
" " medium	15.00@25.00
" " culls	2.00@5.00
" Bridesmaid, Bride, Meteor	2.00@6.00
" " " Select	6.00@15.00
Carnations	1.00@1.50
" fancy	2.50@5.00
Lily of the valley	1.50@3.00
Violets	.40@.75
Romans Hyacinths, P. W. Narcissus	1.00@1.50
Yellow Narcissus	2.00@3.00
Mignonette	2.00@5.00
Callas	6.00@8.00
Harrisii	10.00@15.00
Lilac, per bunch	.50@1.00
Freesias	.50@1.00
Cattleyas	30.00@50.00
Dendrobium formosum	15.00@20.00
Cypripediums	10.00@12.00
Smilax	8.00@12.00
Asparagus	35.00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	1.00

BUFFALO, Feb. 15.

Roses, Beauty	5.00@60.00
" Bride, Bridesmaid, Meteor	3.00@12.00
" Perle, Niphetos	3.00@5.00
" Kaiserin	3.00@8.00
Carnations, ordinary	1.00@2.00
" fancies	2.00@4.00
Lily of the valley	2.00@3.00
Violets	.50@1.25
Daffodils	3.00@4.00
Roman Hyacinths	1.00@3.00
Harrisii	15.00@20.00
Callas	10.00@15.00
Tulips	4.00@5.00
Smilax	12.50@20.00
Adiantum	.75@1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	30.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

Now Ready! The American Florist Company's..
DIRECTORY Of Florists, Nurserymen & Seedsmen of the United States and Canada. Price Two Dollars. In Flexible Leather Binding Three Dollars.....
AMERICAN FLORIST COMPANY
324 Dearborn St., CHICAGO, ILL.

THE NEWEST THING IN OLD NEW YORK IS THE NEW WHOLESALE CUT FLOWER STORE OF THE OLD ESTABLISHED AND ALWAYS RELIABLE
J. K. ALLEN,
AND THE NUMBER IS
106 West 28th Street, NEW YORK CITY.
COME AND SEE US. FRESH FLOWERS at FAIR FIGURES.
SEND YOUR FLOWERS. RETURNS RIGHT and REMITTANCES REGULAR.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square .....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE John A. Salzer Seed Co., La Crosse, Wis., is filling an order for seeds from Naples, Italy.

VISITED CHICAGO: E. M. Parmelee, of the John H. Allan Seed Co., Picton, Ont.; S. Y. Haines, en route to Minneapolis.

SEEDMEN should thoroughly digest the proposed federal inspection bill, the salient paints of which are given on another page.

PROPOSALS are out for supplying the seeds to the U. S. Department of Agriculture, bids to be submitted not later than February 20. The list is approximately the same as last season.

NORTHRUP, KING & Co. announce that the Great Northern, Northern Pacific and Soo railroads have just put into effect half tariff rates on grass seeds, clover seeds and dwarf essex rape seeds to points on their lines in Minnesota, North Dakota and Montana. This applies to both car and less than car shipments. The railroads appreciate the importance of renewing with tame grasses the natural grasses which are disappearing so rapidly.

Seed Advertising.

Wasn't our king of advertisers caught napping when he published this:—

There are two Seed Catalogues

Published by

W. ATLEE BURPEE & CO., Philadelphia.

One is the "BLUE LIST," giving wholesale prices in bulk, which is mailed only to Market Gardeners and Florists. The other is

Burpee's Farm Annual for 1900

which is mailed to the address of any private planter who desires to get for his own garden the **Best Seeds that Grow**, at moderate prices.

It describes Unique Novelties, and gives much useful information, which cannot be obtained in any other free publication. If interested, send your address, on a postal card. **TO-DAY.**

BURPEE, Philadelphia.

This is an age in which the fellow who reads thinks he is as good as anybody, trade or otherwise, and it is an unpleasant shock to him to realize that some other individual can get better figures. Is it wise to acquaint him of that fact? If the ad. had been published in a trade paper there might be some excuse; but in the *American Agriculturist* — well, taking human nature as it is, we all know what to expect in a case like this—the list of market gardeners and florists would greatly increase or the orders would go to John Wanamaker or some other shrewd chap who swears he sells only at wholesale prices. Don't you think so? Speak up—it is an interesting subject for seedsmen. G. C. WATSON.

NEWPORT, R. I.—Chas. Hurn has leased and taken possession of the Findlay greenhouses.

ROWAYTON, CONN.—E. H. Miller has leased the greenhouses belonging to the estate of the late William Ferris.

Florists' Tested Flower Seeds and Bulbs.

		Large trade pkt.	Oz.
ASTER,	Improved Victoria, mixed	$ .25	$1.25
"	Florist's Special Mixture	.25	1.25
"	Semple's True Branching, mxd.	.20	.50
"	" Shell Pink, White and Red in separate colors	.25	.75
Ampelopsis Veitchii	oz. 10c, lb. 75c.		
Cosmos,	Giants of California	.10	.40
Cobæa Scandens		.10	.30
Double Daisy,	choice mixed	.30	2.00
Lobelia	Crystal Palace compacta (true)	.25	1.50

		Large trade pkt.	Oz.
Mignonette	Defiance { Best varieties	.25	1.00
"	Machet { for florists.	10	.40
Nasturtium	Tom Thumb, mixed, per oz. 10c, per lb 45c, per 100 lbs. $40.00.		
"	Tall, mxd., oz. 10c, lb. 35c, 100 lbs. $30.		
"	Madame Gunter Hybrids, per oz. 10c, per lb. 90c.		
Smilax	(new crop), per oz. 35c, per lb. $2.50.		
Tuberoses,	choice double Pearl, No. 1 $7.00 per 1000 —5000 @ $6.50. No. 2 $3.50 per 1000.		

JOHNSON & STOKES,

Send for Florists' Wholesale List. 217 & 219 Market Street, PHILADELPHIA, PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

CHOICE FLOWER SEEDS FOR FLORISTS

is now ready. A post-card will bring it to you.

We have still on hand some of our

LILY OF THE VALLEY PIPS,

the finest that come to this country.

Per 1000, $10; cases of 3000 at $9 per 1000

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Please mention the American Florist when writing.

K. J. KUYK, Ghent. **K. J. KUYK,** Hillegom.

PLANTS. BULBS.

I beg to announce that my representatives, Mr. H. J. GOEMANS and Mr. H. P. HUGENHOLTZ, have started on their annual trip to the United States and Canada, to solicit orders from importers of Palms, Azaleas, Araucarias, Sweet Bays, Ficus, etc., and Holland Bulbs.

The address of my representatives will be up to May 15th, care Mr. J. Ter Kuile, 33 Broadway, New York City.

A splendid stock for spring and fall delivery is on hand.

Gardening Under Glass

Try Watson's for

SELECT STOCKS

of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, originator's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25

MUSHROOM SPAWN, my celebrated "W. P." brand, best in the world, 10 lbs. for $1.00. Sample brick, postpaid, for 25c.

RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.

CRAPE VINES, for graperies, 30 varieties. 1-yr., 75 cts.; 2-yr., $1.50 each.

Bailey's Forcing Book The latest up-to date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass. 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for sma'l orders. Correspondence solicited

GEO. C. WATSON, Seedsman,

Importer and Exporter of

GRASS and GARDEN SEEDS, BULBS,

Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.

Office & salesroom, Juniper St. below Walnut,

PHILADELPHIA, PA.

XXX SEEDS

VERBENA GRANDIFLORA.

Good percentage of white.

The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 800 seeds, mixed colors, 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00.

CYCLAMEN GIGANTEUM.

The choicest giant flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50c.

PHLOX DRUM. PUMILA,

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.

A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES.

OUR 1900

SPRING ISSUE

BOOK FOR FLORISTS

IS now being mailed to our regular customers. It is overflowing with

"GOOD THINGS FOR THE FLORISTS."

If you don't get a copy, we shall be glad to send you one. A postal card will start it.....

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

OUR SPECIALTY

New and Choice

FLOWER SEEDS

for Florists.

Write for Wholesale Lists.

R. & J. FARQUHAR CO.,

16 & 19 S. Market Street,
BOSTON, MASS.

Please mention the American Florist when writing.

Tuberous Begonias, single, five separate colors, extra fine large bulbs, ½-inch, per 100, $2.50. Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs per 100, $3.00. Cannas in choicest sorts, $2.00 to $8.00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Spreng ri seed, 100 75c; 1000 $6.00. Asparagus P. Nanus (TRUE), 100 $1.00; 1000 $9.00. Latania Borb. 100 40c; 1000 $2.50. Pandanus Utilis, 100 $1.25; 1000, $10.00. Cocos Wedelliana, 100 $1.00; 1000 $7.50. Send for our NEW spring list. Address
H. H. BERGER & CO., 47 Barclay St., N. Y.

A LIMITED QUANTITY of SEEDS for Spring Sowing.

Separate colors. Semple's Asters, crimson, lavender, pink, purple, white. Betteridge's prize quilled mixed, at $1.00 per ounce. Giant Branching Comet, rose pink, white, white striped pink, $2.00 per ounce. Silver tip, blue and pink, per trade pkt. 25c. Mignonette, Allen's Defiance, 50c per ounce. Golden Machet, 25c per ounce. Pure Machet, 25c per ounce.

AMERICAN ROSE COMPANY, Washington, D. C.

Please mention the American Florist when writing.

Excelsior Pearl TUBEROSE Bulbs,

3 to 4 inches in circumference, per 1000, $2.50. Cash with order.

Caladium Esculentum Bulbs,

Sizes four to twelve inches circumference, live center shoot. Write for prices to

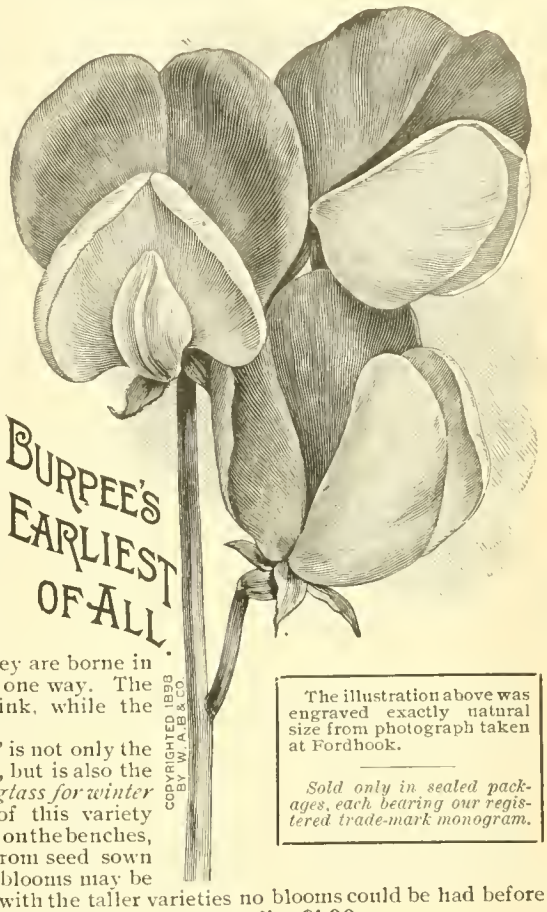
JNO. F. CROOM & BRO., Magnolia, N. C.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

SWEET PEA
Burpee's **"Earliest of All."**



The illustration above was engraved exactly natural size from photograph taken at Fordhook.

Sold only in sealed packages, each bearing our registered trade-mark monogram.

Notwithstanding their dwarf habit and neat, slender foliage, the plants are of vigorous growth and come into bloom **always ten days to two weeks in advance of the Extra Early Blanche Ferry,** which has been heretofore a week ahead of all other varieties. Growing only two feet in height, the plants do not require the support of brush or trellis. As an illustration of its extremely early-flowering habit, we would state that now (Oct. 15th) we have plants in fine bloom *from seed gathered from our spring planting* and sown during the latter part of August. A constant succession of bloom may be had from June until November by making sowings about one month apart. Its extremely early flowering habit makes it most satisfactory for the Southern States, as it may be easily had in full bloom before the hot summer weather. The flowers are as large as those of the regular strains of *Blanche Ferry*, and have long, stout stems, making them entirely satisfactory for cutting; they are borne in close clusters of three, all facing one way. The standards are a bright, rich pink, while the wings are nearly pure white.

BURPEE'S "EARLIEST OF ALL" is not only the earliest to bloom in open ground, but is also the *most desirable for forcing under glass for winter cut flowers.* The dwarf habit of this variety renders it much more easily grown on the benches, admits of closer planting, and from seed sown during the latter part of August blooms may be cut during the holidays,—while with the taller varieties no blooms could be had before February or March. Per oz., **10 cts.**; ¼ lb., **30 cts.**; per lb., **$1.00.**

Burpee's "Blue List." Our Wholesale Price List of Seeds in Larger Quantities is mailed free on application to GARDENERS and FLORISTS.

If You Plant for Profit you should write at once for this Wholesale List. BUT we cannot send it to private planters, even if requested to do so. ☞The prices quoted in THE FARM ANNUAL are as low as we can afford on Retail Orders. Market Gardeners, Canning Establishments and Florists requiring large quantities of seeds are entitled to lower prices wherever possible.

A New Feature in Burpee's "BLUE LIST" that will be of special interest to growers who plant for Profit, is the "plain talks we give, at the head of every department, as to just the best varieties for different purposes.

W. ATLEE BURPEE & CO.,

Producers of only THE BEST SEEDS THAT GROW.

BURPEE BUILDING, PHILADELPHIA, PA.

JOSEPH HEACOCK
WYNCOTE, PA.
GROWER ...OF... **ARECA LUTESCENS, KENTIA BELMOREANA,**
—All Sizes—

Please mention the American Florist when writing.

CYCLAMEN PERSICUM GIGANTEUM.

In the various colors and shades. Plants are in healthy condition, $5.00 per 100; $40.00 per 1000.

Money Order Office Chestnut Hill, Phila.

EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA.

American Florist Advts. Always Sell Stock.

We are now booking Import Orders for

H. P. ROSES,

in all popular varieties, at $50.00 per 1000, f. o. b. Boskoop, Holland.

We would be glad to give prices upon Rhododendrons, Azalea Mollis, Clematis, Hydrangeas, etc., upon application.

ENGLISH IVY. Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting. $4 per 100, $35 per 1000.

Bobbink & Atkins,
....RUTHERFORD, N. J.
NURSERY AND STORAGE CELLAR AT Carlton Hill, N. J.

PRICE LIST

SUBJECT TO CHANGE WITHOUT NOTICE

P. and D. at Cost.	Price per Hundred.
Am. Beauties, short	$ 8 00 to $10.00
Am. Beauties, medium	15 00 to 20.00
Am. Beauties, fancy, fair length	25.00 to 35.00
Am. Beauties, long	50 00 to 75.00
Meteors, extra select	8.00 to 10.00
Brides, Maids, extra select	9.00 to 10.00
Meteors, Bride, Maids, good ave age	5.00 to 7.00
Perles, extra select	3.00 to 5.00
Carnations, special fancy varieties	3.00 to 5.00
Carnations, good average	1.50 to 2 00
Carnations, our selection	1 25 to 1.50

All Flowers in Season at lowest market rates.

Store open until 6.30 P. M. week days, until Noon Sundays and Holidays.

We always ship extra select or high-grade goods unless otherwise ordered.

KLEHM'S NOVELTY TULIPS, $4.00 Per 100.

KLEHM'S NOVELTY TULIPS, $4.00 Per 100.

KENNICOT

WHOLESALE CO

And Dea

Florist

42 and 44 E. Randolph St.

Address all mail or telegram

KLEHM'S NOVELTY TULIPS, $4.00 Per 100.

SOME OF THE LEADERS FOR 1900

Cerise Queen—Per 100, $2.50; per 1000, $20.00

G. H. CRANE—Bright scarlet, early and continuous bloomer. A most satisfactory variety. $6 00 per 100; $50.00 per 1000.

MRS. GEO. M. BRADT—White striped scarlet—nothing to equal it. $5 00 per 100; $40.00 per 1000.

WHITE CLOUD—A white variety of true merit. $4.00 per 100; $30.00 per 1000.

MACEO—Deep crimson, very free. $6.00 per 100; $50.00 per 1000.

GOMEZ—Crimson; lighter in color than Maceo. $5.00 per 100; $40.00 per 1000.

GLACIER—Pure white, medium height, early and free. $6 00 per 100; $50.00 per 1000.

AMERICA—Scarlet, an excellent variety. $5.00 per 100; $40.00 per 1000.

GOLD NUGGET—Yellow, best in its class. $4.00 per 100; $30 00 per 1000.

Carnation

Agents for F. D

Large Stock of Strong

G. H. Crane, Morning Glory, Maceo, Gla
Mary Wood and

Mrs. Geo. M. Bradt for Ma

Also Agents for MT. GREENW

CERISE QUEEN

White Daybreak

BEST WHITE CARNATION ON THE MARKET.

BY P. M. Broadbeck.

Per 100, $6.00
Per 1000, $50.00

WHY?

It pays to trade at headquarters and the greatest hou
will advise us as to the quality of goods your tra
demands. Our foreman and help in the cut flower dep
and will gladly use their experience for your benefit,
---REDUCTION IN PRICE---"we're shaping thin
than elsewhere. Best improved hand-made goods re

OLDEST, LARGEST AND MOST RELIA

KLEHM'S NOVELTY TULIPS, $4.00 Per 100

BROS. CO.

SION FLORISTS

inds of

pplies.

CHICAGO, ILL.

firm to insure promptness.

KLEHM'S NOVELTY TULIPS, $4.00 Per 100.

KLEHM'S NOVELTY TULIPS, $4.00 per 100.

PRICE LIST

SUBJECT TO CHANGE WITHOUT NOTICE

P. and D. at Cost.	Price per Hundred.
Violets and Pansy	$ .75 to $ 1.25
Valley, our specialty—the best	2 50 to 4.00
Smilax	10.00 to 15.00
Harrisii	12 50 to 15.00
Callas	12.50
Romans, Narcissus, Daffodils	2.00 to 4.00
Daisy, Forget-me-not	.75 to 1.00
Adiantum	1.00
Asparagus	per string, 50c to 75c
Galax	per M, $1 50 .20
Common Ferns	per M, 2 00 .25

Common Ferns and Galyx, 500 sold at 1000 rates.

We are getting a few Brides and Maids that are extra special and are billed accordingly, about $12.50 to $14.00 per hundred.

ttings.

R & SONS CO., Lafayette, Ind.

l Cuttings Now Ready.

ez, America, Red Mrs. Bradt (or Chicago), od standard sorts.

ery---all the early stock sold.

METERY---W. N. Rudd.

o per 100; $20.00 per 1000.

GENERAL LIST

	Per 100	Per 1000
Cerise Queen	$2.50	$20.00
MARY WOOD—White	$3 00	$25 00
Melba—Pink	5.00	40.00
New York—Pink	3.00	25.00
Mrs. James Dean—Pink	3 00	25.00
Mrs. Frances Joost—Pink	3.00	25 00
John Young—White	2 50	20.00
Jubilee—Scarlet	2 00	15 00
Flora Hill—White	2.00	15 00
Mayor Pingree—Yellow	2.50	20.00
Triumph—Pink	2.50	20.00
Daybreak—Pink	2 00	15.00
Evelina—White	2.00	15.00
Wm. Scott—Pink	2.00	15.00
Albertini—Pink	2 50	20 00
Meteor—Crimson	2 00	15.00
Argyle—Pink	2 00	15.00

ica. IF YOU BUY IT OF US IT'S ALL RIGHT. If you , we will endeavor to regulate our shipments to meet its ve had long experience both in the wholesale and retail trade, post us as to your requirements. SPECIAL CASH SALE upendous clearing sale of Wire Work 25 to 50 per cent. less cost or value. No other store in the world can do it.

White Daybreak

BEST WHITE CARNATION ON THE MARKET.

BY P. M. Broadbeck.

Per 100, $6.00
Per 1000, $50.00

COMMISSION HOUSE IN THE WEST.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE P. J. Berckmans Co., now has a railway station at their nurseries near Augusta, Ga.

IRVING ROUSE reports that on his recent European trip he found a scarcity of pear seedlings in France.

THE newspapers are circulating a report that San Francisco has voted an expenditure of $4,500,000 for park purposes.

SEVERAL prominent nurserymen agree that the present tendency toward higher prices will be manifest through the next two years.

THE nurserymen of New York are strongly opposed to the proposed state law making fumigation obligatory. They claim it is unnecessary.

THE W. E. Jones Company, of Lincoln, Ill., will shortly open a branch at Fayette, Ia. At first only a warehouse will be maintained, but next year a nursery will be planted.

P. S. PETERSON & SON, Chicago, report the past season's business to have established a new record for them. They make a specialty of established stock and are at present executing several orders for trees of large caliper.

IN the suit brought by the Shady Hill Nursery Co., of Boston, against Helena B. Wainwright, of Hartford, to recover $145 for shrubs alleged to have been sold to Mrs. Wainwright on contract, judgment has been rendered for the defendant. Mrs. Wainwright claimed that she signed her name and address to a paper because the agent represented that he simply wanted her name and address, and being unused to business methods was not aware that she was signing a contract, and the court sustained her plea.

The Elm Leaf Beetle.

This most destructive pest of our most ornamental street tree is rapidly extending the scene of his ravages and each year sees the extent of the devastated territory widely increased. Steam-spraying apparatus and plenty of Paris green industriously applied seems the only resort if an elm is to be left. Tree wardens and superintendents of public and private grounds in hitherto immune districts are making anxious preparations for the appearance of the dreaded scourge and it is the duty of everyone who loves a tree to assist by every means possible, not only in its checking, but by giving timely warning of its approach.

Readers of this paper are requested to report promptly for publication in these columns for general information the appearance of the elm leaf beetle in their neighborhood in order that the direction and rate of its progress may be ascertained and repressive measures put in operation at the time and place most needed.

Prosperity Among Nurserymen.

Nurserymen in all parts of the country report a larger business last fall than for many years, and that the prospects for spring are exceedingly bright. This good time has been a long while coming. For several years past some of the largest concerns in the country have reported a trade barely sufficient to keep their hands together. Many of them reported good business in the way of sales, but prices were very much lower, while labor and other necessary expenses were at the full price. It is a fact that in more than one instance hands were kept on at old rates when lots of help could have been had for less, solely because the $1.50 per day was thought by the employers to be little enough for a man to live on. This is merely mentioned to show that all employers are not the soulless beings they are usually deemed.

The increased demand does not seem confined to any one thing, trees, both ornamental and fruiting shrubs and perennials have been much called for. Small evergreens for florists' use were in particular demand in the fall. There is no question that this is a growing trade. Beds and boxes of summer flowers are replaced with various evergreens. Among the retinisporas and thujas are many of distinct and beautiful foliage, and when arranged tastefully in a bed, make an attractive display. Hotels use these evergreens as well as private houses, both for the filling of window boxes and for use in pots for hallways. Such ones of pyramidal growth as some of the forms of Chinese arbor-vitæ, yews and junipers, are good for this. Nurserymen and florists, too, who will be prepared to meet the demand for such stock are likely to find it profitable.

These evergreens, when used indoors, are not so lasting as if under more natural conditions, and some of our hotels get boxes refilled about New Year's, finding the satisfaction of their guests in viewing the brighter looking boxes to well repay the small cost of the extra plants. As to the size used, it runs from those of one foot to three feet. It takes three to four years to obtain the lesser size from seed or cuttings, but after this the growth is rapid and the greater size is soon attained.

Nurserymen tell us that though undoubtedly the agriculturists are buying more, as evidenced chiefly by increased calls for fruit trees, it is in the sales of ornamental trees and shrubs that the difference is most noticeable. Further than this, the calls are now far more for native trees and shrubs than for foreign sorts. Not only do public parks and gardens use great quantities, but many private estates also.

There is no doubt that increased prosperity is in part due to the intelligent body of landscape gardners. Many of these men combine practical knowledge and scientific attainments in a marked degree.

JOSEPH MEEHAN.

OAKS 10,000 **Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.**

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

CLEMATIS PANICULATA & **AMPELOPSIS VEITCHII**

$40 to $70 per 1000. $35 to $50 per 1000.
We have the above in large quantities, 2 and 3 years old, fieldgrown.

Grasses at $2 per 100; Cal. Privet, $12 per 1000.
Stock for transplanting. Shrubs in large quantities cheap. Send for wholesale list.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

IRISH AND SWEEDISH Juniperus

	100	1000
6 to 9 inches, transplanted	$ 5.00	$40.00
9 to 12 " "	6.00	50.00
12 to 15 " "	7.00	60.00
15 to 18 " "	8.00	75.00
18 to 24 " "	10.00	
24 to 30 " "	13.00	
30 to 36 " "	15.00	
15 to 18 Savin Junipers	6.00	

Rooted Cuttings ready May 20.
Roses, clean, healthy plants from 2-inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, Bridesmaid, La France, Albany, Wootton and Testout. One year old dormant pot grown Wootton, $5.00 per 100. Ismen Calathinum white summer blooming Amaryllis, strong bulbs, first size, $12.50 per 100; second size, $10.00 per 100.

JOSEPH HEINL, Jacksonville, Ill.

AMERICAN ELMS.

8 to 10 feet, 1 to 1½ inch caliper.
25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.
SEND FOR PRICE LIST.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Please mention the American Florist when writing

ROSES, field-grown, 2 years old.
AMPELOPSIS VEITCHII, 2 years, strong.
CLEMATIS JACKMANNI, 2 years, XXX.
FLOWERING SHRUBS.
Send for our price-list giving rates upon these and other hardy ornamental nursery stock.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

FRUIT and ORNAMENTAL **TREES**
SHRUBS
VINES
AND **ROSES**

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y.

FIELD-GROWN OWN ROOT
Rose Bushes.
Tender and Hardy sorts.
JAPANESE IRIS, best named sorts.
Buy quickly and make sure of them.

The Howland Nursery Co., Los Angeles, Cal.

THE ROLETA NURSERY CO.,
ROLETA, TENN.
We have on hand the best lot of TREE AND SHRUB SEEDLINGS that can be collected.
300,000 SUGAR MAPLES, 2 to 3 ft., at $3.00 per 1000. Please give us a list of your wants and write for price list.
HORACE PERRY, Prop.

The Ideal Pink Carnation

GENEVIEVE LORD

Fills the bill. The ladies declare it is just right in color. We claim it has the best stem of any Carnation. That it will rank very near the top in size. That its odor is very sweet. That it is the most profitable Carnation we ever grew. That it has an individuality all its own. Customers recognize it at a glance. There is not a great deal left that is wanting in this variety. If you want to make money, plant it! But don't delay, for stock for delivery prior to March 20 is all sold. It is an easy, rapid grower, however, and the April and May deliveries will make large, fine plants. Some of the finest plants we have are from cuttings from sand planted in the field June 1st. Remember all sold until March 20th. If you wait too long the chances are that we will be sold out of stock. Make yourself safe by ordering at once.

PRICE $2.00 per Dozen, $10.00 per 100, $75.00 per 1000.

WASHINGTON, D. C., January 12, 1900.
MESSRS. H. WEBER & SONS, OAKLAND, MD.:
Dear Sirs—We have handled your new Carnation, Genevieve Lord, for the past year, and beg to state that it is one of the finest Carnations we have ever handled. IT HAS BECOME VERY POPULAR HERE IN WASHINGTON, its beautiful color making it a ready seller. Together with color, its most distinct points are its extra long stems and perfect, erect habit. IT HAS A MARKED INDIVIDUALITY, enabling customers to recognize it at a glance. It is one of the few new Carnations that have so many good points, and we feel satisfied that it has a great future before it. It is some little trouble to educate the people up to paying $3 and $4 per dozen for Carnations, but if ANY CARNATION WILL BRING THE PRICE, it is Genevieve Lord.
Yours truly,
(Signed) J. H. SMALL & SONS.

CINCINNATI, OHIO, January 16, 1900.
MESSRS. H. WEBER & SONS, OAKLAND, MD.:
Gentlemen—I want to congratulate you on being the introducer of Genevieve Lord, your new pink Carnation. Although I have not seen it growing, I have seen it exhibited at nearly all seasons of the year, and taking all its good qualities into consideration, I believe it to be THE BEST PINK OF ITS CLASS IN THE MARKET TODAY. It is strictly a commercial flower, and WILL PRODUCE THE DOLLARS AND CENTS. I predict for you a phenomenal sale of this carnation. Yours very truly,
(Signed) E. G. GILLETT.

ST. LOUIS, MO., January 24, 1900.
H. WEBER & SONS, OAKLAND, MD.:
Dear Sirs—In regard to what I think of Genevieve Lord, and what I heard spoken about it at the meeting is this: Color just right and what is wanted, and will sell. Shape and size as good if not better than any Carnation ever sent out, very sweet; stems the best ever seen on any Carnation sent out. In keeping and shipping qualities it beats any Carnation that I have ever seen; as I mentioned last time in my letter to you they looked as fresh as if they had just been cut. Yours very truly,
(Signed) E. SCHRAY,
Secy. St. Louis Florists' Club.

Our catalogue is now ready; in it are listed the above as well as all the new "big ones" at introducers' prices, all the best standard sorts, and a complete list of chrysanthemums, novelties and standard sorts.

H. WEBER & SONS, Oakland, Md.

BASSETT & WASHBURN

76 AND 78 WABASH AVE., CHICAGO, ILL.

Rooted Rose Cuttings Get new blood in your Roses and secure what you want from grafted stock. Our Cuttings this year are made from grafted plants, and none but the best wood will be used. Our prices the same as others. BRIDES, BRIDESMAIDS, METEORS, $1.50 per 100.

ROOTED CUTTINGS FROM SELECTED STOCK.

Carnations.

WHITE.

	Per 100.	Per 1,000.
Flora Hill	$1.50	$10.00
Mary Wood	2.50	20.00
White Cloud	2.50	20.00

PINK.

Frances Joost	2.50	20.00
Wm. Scott	1.50	20.00
Daybreak	1.50	10.00

DEEP PINK.

Leslie Paul	5.00	45.00
Cerise Queen	2.50	20.00
Painted Lady	1.50	12.50

STRIPED WHITE WITH RED.

Mrs. Bradt	5.00	40.00
Psyche	1.50	10.00
Armazindy	1.50	10.00

YELLOW.

	Per 100.	Per 1,000.
Gold Nugget	$ 2.50	$20.00

RED.

Red Mrs. Bradt	10.00	75.00
Jubilee	2.00	15.00
America	5.00	45.00
G. H. Crane	5.00	45.00

MAROON.

Empress	2.50	20.00

NEW VARIETIES.

	Per 100.	Per Doz.
Olympia	$12.00	$2.00
The Marquis	10.00	2.00
Mrs. Lawson	14.00	3.00
Ethel Crocker	10.00	2.00

The Grand New Rose "Liberty."

We are the Western agents for Robert Scott & Son, part owners of this elegant Red Rose.

OWN ROOTED STOCK IN 2¼ IN. POTS.	GRAFTED PLANTS IN 2¼ IN. POTS.
12 plants, .60 cts. each.	12 plants, .75 cts. each.
25 plants, .50 " "	25 plants, .60 " "
50 plants, .30 " "	50 plants, .50 " "
100 plants, .25 " "	100 plants, .40 " "
1,000 plants, .20 " "	1,000 plants, .35 " "

BASSETT & WASHBURN,

GREENHOUSES, HINSDALE, ILL. 76 and 78 Wabash Ave., Chicago, Ill.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Convention Preliminaries.

The committee which the New York Florists' Club has placed in charge of the sports of the convention, wishes to hear, before March 1, from the captain of each team which intends to compete in the convention tournament. The purpose is to arrange the preliminaries. Captains should address Chas. Schenck, 38 West Twenty-eighth street, New York, N. Y.

At St. Louis.

The bowling club rolled five games on Monday, Feb. 5. The following is the score:

Player	1st	2d	3d	4th	5th	av
C. A. Kuehn	154	148	155	125	184	153
C. C. Sanders	146	170	137	134	176	153
E. Schray	127	166	147	138		145
John W. Kunz	153	135	115	148	162	143
J. J. Beneke	166	146	118	110	151	138
F. C. Weber	127	135	115	112		122

Following are the scores made February 12:

Player	1st	2d	3d	4th	5th	6th	Av
F. C. Weber		118	133	155	211	154	154
C. A. Kuehn	146	133	154	136	179	133	147
J. J. Beneke	165	116	143	129	171	139	144
John Kunz		153	185	135	98	135	141
C. C. Sanders	112	182	122	132	130	137	136

J. M. H.

At New York.

A big crowd of bowlers and rooters congregated at the Fifty-seventh street alleys on Monday afternoon, February 13, to participate in the second game in the series between New York, Flatbush and Hudson county. At the game in Hoboken last week the Flatbush team had won out but on this occasion New York showed she was strongest on her own alleys and now has a good margin to her credit in the total of pins, this being the test in this tournament and not the number of games won. As the lists appended show, a few changes were made in the teams, from last week's make up. The next and final games will be rolled at Flatbush:

NEW YORK.

At Hoboken.			At New York.		
Traendly	122	137	Traendly	185	129
Schenck	135	119	O'Mara	143	177
Bunyard	79		Manda	129	103
Manda		146			
Hafner	125	160	Hafner	115	114
Burns	128	185	Burns	158	153
Lang	168	102	Lang	130	144
	757	849		860	820

FLATBUSH.

At Hoboken.			At New York.		
Riley	148	151	Riley	128	138
Zeller	105	161	Zeller	172	170
Raynor	131	133	Raynor	91	120
Prosser	119	137	Prosser	119	124
Mellis	141	116	Mellis	132	121
Dailledouze	126	171	Schmutz	107	152
	770	869		749	825

HUDSON COUNTY.

At Hoboken.			At New York.		
Brown	125	165	Brown	138	103
Deitz	129	113	Hillebrecht	102	101
L. Hansen	130	142	L. Hansen	115	129
Wachke	101	119	Fischer	148	146
Kogge	122	159	Kogge	126	129
M. Hansen	127	131	M. Hansen	100	132
	734	829		729	740

Total for New York 3286
Total for Flatbush 3213
Total for Hudson county 3032

At Chicago.

There has been little bowling in Chicago since the holidays but on Monday evening several guests, en route to Buffalo, were given exercise on the alleys. It was the first time Wm. Clark, of Colorado Springs, had tried his hand at the game and his score, under such circumstances is very good.

Player	1st	2d	3d	4th	5th
Wm. Clark	111	164	110	117	95
J. F. Wilcox	191	174	161	140	124
T. C. Joy	88	69	88	82	111
Alex Henderson	132	126	166	89	110
John Degnan	128	174	152	156	143
E. F. Winterson	138	180			
John Sterret	135	108			
Phil Hauswirth	105				
W. Krietling	111				

At Flatbush.

Thursday evening, February 8, witnessed a sort of jollification on the bowling alleys over the success of the team at Hoboken, and much hilarity prevailed. Fred Donoghue, of Babylon, was a welcome visitor. The scores were:

PLAYER.	1st	2d	3d
A. Zeller	134	112	125
Papa Zeller	88	86	89
H. Dailledouze	164	191	
Woerner	78	105	96
E. Dailledouze	141	157	
Wocker	106	101	127
P. Dailledouze	133	141	
Riley	114	137	124
Mellis	112		
Shaw	100	169	99
Donlan	167	129	131
Stewart		108	108
Donoghue		152	84

Convention Preparations.

At Philadelphia they are already planning to sweep the decks at New York in August and a committee has prepared the following rules to govern the bowling for places on the convention team:

1. The twelve men making the highest average in 100 games shall roll twelve games on outside alleys during July, the eight highest to be the team.
2. Play to commence February 1 and end June 30. No entries received later than April 1.
3. Candidate must declare his intention of competing for this place before commencing each game and there must be three others bowling at same time.
4. No more than four games to be rolled for this contest in any one day.
5. Some of our best bowlers being apt to cross the foul line, and this being a serious defect when the great day comes, the committee recommends a strict enforcement of the foul line rule both on the home and outside alleys during this contest. Each must watch the other closely to enforce this rule.
6. Candidates who are not members of the S. A. F. must become so to qualify, and in the event of refusal the next highest shall take his place.
7. In the outside series, games shall count, each series of three won to count one point; but a record of total pins shall be kept, the highest to count in case of ties.
8. Entries to be made with the chairman of the committee, Robert Kift.

GEO. ANDERSON.
GEO. C. WATSON.
ROBERT KIFT.

With Quaker City Gunners.

The first shoot of the series between the Frankford and the Florists' Gun Clubs was held at Wissanoming February 10, and was followed by several sweepstake events. The conditions for the match were: Nine men on a side, 25 targets per man, unknown angles, three men from each team making a squad, rapid-fire system. The contest was an interesting one, and though the florists finally won by the narrow margin of seven targets; the results were in doubt until the last few shots were fired. The shooting was in two rounds, the first being at ten targets and the last at fifteen targets. At the end of the first round the Frankford team was three targets ahead, when the first squad finished their second round it was found that Frankford had gained one more target. The florists did not lose their nerve because of this lead, and when the second squad finished they were in the lead by three targets, the last squad adding four more to their credit. For the florists' team Parsons and Cartledge made the high scores, each breaking 23. The summary follows:

FLORISTS.	BROKE.	FRANKFORD.	BROKE.
Barrett	15	Redifer	22
McKaraher	21	Ridge	22
Park	17	Betson	21
Bell	21	Bourne	15
Ball	18	Butts	14
Westcott	18	Johnson	18
Parsons	23	Myers	19
Burton	20	Paff	17
Cartledge	23	Smith	21
Total	176	Total	169

At Denver.

The following big scores were made on the alleys January 23:

Player	1st	2d	3d	Av
John Berry	171	244	224	213
Al. Mauff	168	224	244	212
Rob't Kurth	205	143	227	192
Chas. Mauff	204	175	165	181
Ed. Emerich	197	159	166	174
Geo. Zimmer	134	149	229	171
Chas. Franz	201	124	187	171
P. C. Gallup	136	174	191	167
John Ferris	160	114	184	153
A. A. Benson	120	115	174	133
Waterbury	121	126	137	128
A. M. Lewis	144	101	136	127
Geo. Brenkert	129	122	125	125

Following are the scores made by the Denver Florists' Bowling Club on January 30:

Player	1st	2d	3d	Av
Robt. Kurth	198	193	140	177
A. E. Mauff	138	187	201	175
John Berry	154	194	176	175
Chas. Mauff	194	131	199	175
Geo. Brenkert	155	157	198	170
A. M. Lewis	193	153	131	159
Chas. Theiss	156	151	144	150
Chas. Franz	137	133	155	142
Geo. Zimmer	176	123	124	141
Ed. Emerich	144	114	156	138
John Ferris	121	138	150	136

Following is the score made February 6:

Player	1st	2d	3d	Av
A. E. Mauff	212	207	177	199
John Berry	156	211	152	173
A. M. Lewis	172	136	199	169
Ed. Emerich	175	181	148	168
Chas. Thiess	117	110	239	152
Chas. Franz	161	178	114	151
Geo. Zimmer	122	169	153	148
Chas. Mauff	174	144	114	144
A. A. Benson	112	150	107	123
Geo. Brenkert	125	114	128	122
John Ferris	99	170	93	121
Sam Lundey	124	130	102	119
Schultz	78	109	132	106

OAKDALE, N. Y.—Seymour Burr lost $700, no insurance, by the burning of his greenhouse.

PARIS, TEX.—Mrs H. C. Towley's greenhouse caught fire from a defective flue and the roof was destroyed before the flames were extinguished.

BUFFALO, N. Y.—John Pickelman, who for five years has been in business at 138 French street, has filed a petition in voluntary bankruptcy, scheduling liabilities of $5,096.35 and assets of $865, part of which is exempt.

PERU

A New Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

◆◆◆◆

LAFAYETTE, IND., February 9, 1900.

F. B. TINKER, PERU, IND:

DEAR SIR—Have now seen your white Carnation Peru growing at three different places, and from appearances it seems to be a good white for commercial purposes.

Yours truly,
F. E. DORNER, JR.

RICHMOND, IND., February 10, 1900.

MR. TINKER, PERU, IND.:

I like the appearance of your new white Carnation Peru as seen growing on the benches. It gives promise of being a useful commercial white variety.

I shall plant a thousand of it for our own use for flowers the coming season.

Wishing you every success, I am

Yours,
E. G. HILL.

◆◆◆◆

ROOTED CUTTINGS NOW READY.

$1.50 per Doz., $10 per 100, $75 per 1000. CASH WITH ORDER.

◆◆◆◆

F. B. TINKER,

Peru, Indiana.

Indianapolis Visits Richmond.

The party of Indianapolis florists visiting Richmond on February 10 numbered thirteen, but as evil spirits have no power over the innocent and good, the trip took its course without the slightest accident and, in fact, was one of the most enjoyable excursions we have had for a long time.

On arrival at Richmond we were greeted by J. A. Evans and escorted to the establishment of E. G. Hill & Co., where we found W. W. Coles, of Kokomo, J. A. Newby, of Logansport, F. B. Tinker, of Peru, and J. A. Haugh, of Anderson.

Those who had not visited Mr. Hill's place for some time found the forenoon rather short to inspect the great variety of stock that is handled there. As roses and carnations are at their best just now, they attracted the most attention. The most prominent among carnations are Olympia, Ethel Crocker and California Gold, which Mr. Hill says is about the only yellow carnation which blooms profusely enough to pay. But above all these towers Mary Hill, a pink which is expected to excell even Mrs. Lawson.

In Mr. Hill's rose houses the impression is forced upon the visitor that we are at the beginning of a new era in roseculture and that the much deplored monotony in forcing roses will soon be broken. Mr. Hill has on trial, not only the latest and most promising European novelties, but he also shows some very promising seedlings of his own raising. Grafted roses seem to be growing more in favor and we were interested with the speed of a young man who was doing this work. When it was said that he is the son of John N. May, our interest was redoubled.

In the afternoon the party went to the place of Mrs. E. T. Grave, to inspect her carnation houses. Mr. Hill told us that several eastern carnation experts declared Mrs. Grave's carnations the finest in the country, an opinion that was most heartily endorsed by our party. The varieties most largely grown are Flora Hill, White Cloud, Daybreak, Ethel Crocker, America and a splendid seedling named Dorothy, which is probably best described as Scott brought up to date. Chas. Knopf, who is in charge of the Grave place, certainly deserves great praise for his accomplishments. Encouraged by her success Mrs. Grave intends erecting three more carnation houses 20x200.

The evening was spent at the bowling alleys, the best scores being made by E. G. Hill, W. W. Coles and R. McKeand in the order named.

Our party consisted of W. H. Bertermann, John Grande, John Hartje, John Heidenreich, H. Junge, W. Langstaff, R. McKeand, John Nay, A. E. Nelson, A. Pahud, H. W. Rieman, A. Schreiber and A. Wiegand. H. J.

NAUGATUCK, CONN.— Dalton & Costello have opened a flower store on Church street.

SCHENECTADY, N. Y.—Grey's branch store in this city has been discontinued and stock has been purchased by J. H. Grupe.

Carnation Cuttings.

IN GOOD CONDITION FROM GOOD STOCK.

Write for prices.

Huntsman & Company

CINCINNATI.

"MACK RICHMOND"

The Red Carnation. A Sport from Tidal Wave.

We know there have been many red sports from Tidal Wave, but we claim that this one is the peer of its class.

We have grown it for three years, and under the careful selection of our foreman, Mr. Mack Richmond, it has improved each year.

It is not the only red, nor is it the largest, but it will outbloom any carnation ever grown by us, and we have grown a few.

The flowers are borne upon strong, stiff stems, never bursting, entirely free from rust and a splendid grower. Come and see it growing--it may astonish you.

NOW READY; $6 per 100, $50 per 1000.

HALLIDAY BROS., 11 East Baltimore Street, BALTIMORE, MD.

AUCTION

RECEIVED on CONSIGNMENT 50 CASES IMMORTELLES, ALL COLORS.

Will Be Sold Positively.

.....One or More Cases Sold. CASH ONLY.

P. T. Jobbers, Cemetery Florists, Retail Store-Keepers, Your Opportunity.

Send in your offer, stating quantity and color desired. Wire

SIGMUND GELLER, 508-10 Broome St. NEW YORK.

Please mention the American Florist when writing.

CRIMSON RAMBLER,

Strong plants, 3 to 4 ft.....$15.00 per 100
Extra strong plants, 4 to 5 ft..... 18.00 "

Acalypha Sanderi, 2½-in., $8.00 per 100.

THE CONARD & JONES CO.
WEST GROVE, PA.

Please mention the American Florist when writing.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y

Please mention the American Florist when writing.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

CLEARY & CO.

Horticultural Auctioneers

60 Vesey St. NEW YORK.

Now on Exhibition,

A Grand Collection of Marvellous Jepanese Horticultural Curios Direct From Japan.

FOR SALE BY AUCTION

Monday and Tuesday, February 19 and 20 at 2 p. m. each day.

An exceptionally fine assortment including 200 dwarf flowering cherries and plums for Easter forcing. The trade especially invited.

CARNATIONS, ROOTED CUTTINGS. .....FROM SOIL.
Mc Kewan, extra, 75c per 100; $6.00 per 1000; express prepaid on 1000 lots Also Scott, Portia, Rose Queen, 75c per 100; Jubilee, Meteor, Flora Hill, $1.25 per 100.
ACERATUM, Princess Pauline, free by mail, 50c per 100 **CANNAS,** best varieties, my selection, $1.50 per 100 or $10.00 per 1000 **PRIMULA OBCONICA,** in bloom, $2.50 per 100 **ALTERNANTHERA,** red, 50c per 100. **FARQUHAR VIOLETS,** large double, $1.00 per 100.

RICHARD INSALL,
Lock Box 514. West Moorestown, N. J.

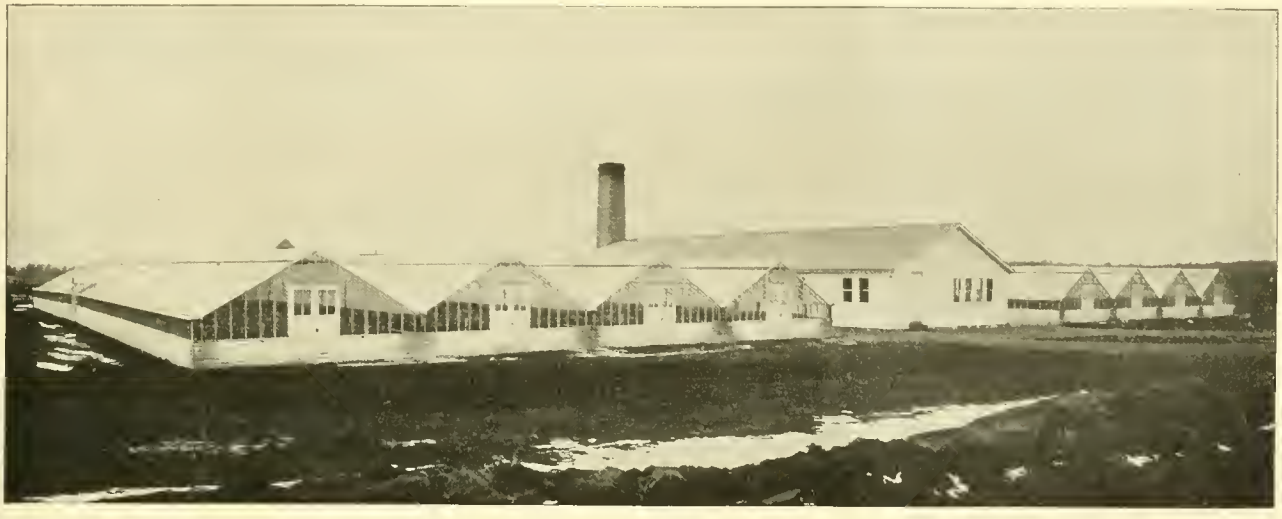
EASTER-SPRING Cuttings and Plants. Cinerarias Ready
For 4-in., $2.00 per 100 Moonvines, Verbenas, Geraniums, etc Send list of wants.
M. A. WHITTY, P. O. Box 137, Richmond Va.

Do not hide your light under a bushel. Tell the people what you have for sale.

Chicago Carnation Co.

... THE GREAT AND ONLY ...

EXCLUSIVE CARNATION SPECIALISTS



WE have shipped out this Spring some seventy-five thousand rooted cuttings, and as yet have not received a single complaint, but on the contrary, have received numerous complimentary letters as to the superior stock we are sending out, which goes to show

... OUR CUTTINGS ARE UNEQUALLED ...

GENEVIEVE LORD

Peerless in its class. The coming light pink. As a commercial variety it will score its greatest triumph. As an exhibition variety it will take care of itself. Its reputation is already made. We recommend it to you as being first-class in every way. It has won highest honors wherever exhibited. In a word it is the light pink par excellence. Better than Scott in its palmiest days. There will be no attempt to over-propagate it. First come, first served. Send for complete description. ***$75 per 1000. $10 per 100. $2 per doz.***

Mrs. THOS. W. LAWSON CARNATION,

GOOD STRONG CUTTINGS FROM SOIL.

OLYMPIA, Variegated, from soil, - $12.00 per 100; $100.00 per 1000
CHICAGO, or Scarlet Bradt, $1.50 Per Doz.; ***7.50 " 60.00 "***
ETHEL CROCKER, Pink, - 1.50 " 10.00 " 75.00 "

	Per 100	Per 1000	Blooms Per 100
FRANCES JOOST, pink	$2.50	$20.00	$4.00
MRS. JAS. DEAN, pink	2.50	20.00	4.00
JOHN YOUNG, white	2.50	20.00	5.00
WHITE CLOUD, white	4.00	30.00	5.00
MRS. BRADT, variegated	5.00	40.00	$4 to 5.00
GEN. MACEO, crimson	6.00	50.00	4.00
GEN. GOMEZ, crimson	6.00	50.00	4.00
G. H. CRANE, scarlet	6.00	50.00	5.00
GOLD NUGGET, yellow	2.50	20.00	4.00

	Per 100	Per 1000	Blooms Per 100
ARGYLE, carmine	$2.50	$20.00	$4.00
JUBILEE, scarlet	2.00	15.00	4.00
ARMAZINDY, variegated	2.00	15.00	2.00
EVELINA, white	2.00	15.00	2.00
WM. SCOTT, pink	2.00	15.00	2.00
VICTOR, pink	2.00	15.00	
DAYBREAK, light pink	2.00	15.00	
FLORA HILL, white	2.00	15.00	4.00

AND ALL OTHER VARIETIES IN COMMERCE.

WRITE FOR DISCOUNTS AND DESCRIPTIVE CATALOGUE. Also for PRICE LIST of HIGH-GRADE BLOOMS.

CHICAGO CARNATION CO., *Greenhouses and Address,* JOLIET, ILL.

Montclair, N. J.

A. D. Rose has now been a year at his new stand and has built up a nice trade. He has made quite a hit on potted myosotis, has shown the people what ericas are when properly grown and points with pride to his bench of fine Mme. Jaulin geranium, which he thinks grows better benched than it does in the open, though the claim is otherwise. His genistas, which have been grown with the ericas, are in fine, compact form for blooming and an entire house is devoted to hydrangeas for Easter.

J. C. Williams, who is about the only successful grower of the violet this season in this vicinity, is also doing well with his carnations. J. B. D.

PASADENA, CAL.—The Park Nursery Company has been making a display of palms and ferns which is the equal of anything ever seen in the state. They find a good sale for Pteris tremula, Asparagus Sprengerii and Boston fern.

ORANGE, N. J.—At the last meeting of the New Jersey Floricultural Society it was voted that the society provide a suitable special prize to be awarded at the exhibition of the American Rose Society in New York in March.

MANCHESTER, MASS.—The North Shore Horticultural Society will hold three exhibitions in the town hall the coming season, including a rose and strawberry show, June 25, general flower show in August and a chrysanthemum show in November. The officers of the society are M. J. Clark, president; W. McGregor, treasurer; J. K Tappan, secretary, and an executive committee of five.

CARNATIONS.

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY.

G. H. Crane, Morning Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts.

Mrs. Geo. M. Bradt for March Delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. Dorner & Sons Co.,
LAFAYETTE, IND.

ROOTED CUTTINGS.

White Cloud, Frances Joost $2.00 per 100.
Maceo, Crane, America..... 5.00 per 100.
Bradt..... 3.50 per 100.
Not rooted, selected carefully packed cuttings of Evelina, Victor, Triumph, Flora Hill, Daybreak and Pingree at 50c. per 100.

CASH PLEASE. HENRY EICHHOLZ, ... Waynesboro, Penn.

"A WORD TO THE WISE IS SUFFICIENT"

Buying Cut Flowers is strictly a business proposition.

If in any other line you hold honesty, truth, candor, punctuality, intelligent appreciation of your needs and quick, exact execution of your orders to be essential requisites of the person or firm to whom you intrust your business; you should in this.

The rank we have attained among the WHOLESALE DEALERS IN CUT FLOWERS IN CHICAGO leads us to believe that we must meet at least a part of these requirements

In Cut Flowers we offer at all times as full an assortment of as choice quality as can be obtained from any one.

We invite you to test our business methods.

E. C. AMLING,
32-34-36 Randolph St.,
WALTER S. HEFFRON, MGR. ...CHICAGO, ILL.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY			
30-36 in. stem	per doz.,	$7.00	
24 "	"	5.00	
20 "	"	3.50	
15 "	"	2.50	
12 "	"	1.50	
8 "	"	1.00	

METEOR	per 100	$5.00	to 10.00
BRIDESMAID	"	6.00	to 8.00
BRIDE	"	6.00	to 8.00
PERLE	"	4.00	to 6.00
CARNATIONS	"	2.00	to 3.00
" Fancy	"	4.00	

Quotations subject to change without notice. All other stock at lowest market prices.

DILLON'S WHOLESALE PRICE LIST

Verbenas, Carnations, Grafted Roses

—AND—

ROSES ON THEIR OWN ROOTS

NOW READY. SEND FOR IT.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices

CRABB & HUNTER, Grand Rapids, Mich.

ROOTED CUTTINGS OF NEW AND STANDARD

CARNATIONS

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Pa.

.....It's a "CATBIRD"

Was the exclamation of one of the best growers in the west when he discovered this sport, four years ago. By carefully handling it, and not over-propagating it, we are now able to offer to the trade a clean, healthy stock of the best

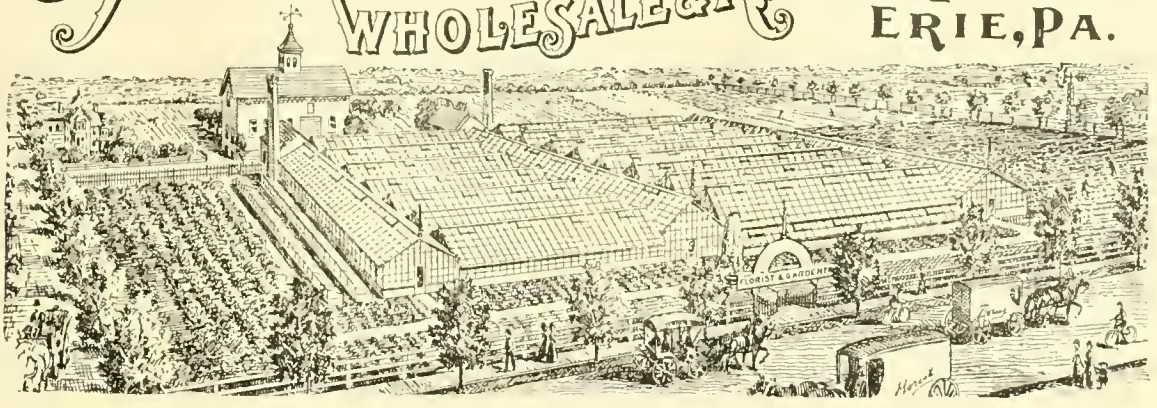
Red Carnation

On the market, for both grower and retailer. Not quite as large as Crane or Jubilee, but an intense red, on long, stiff stems, averaging **Sixty-five Blooms** to the plant. Received honorable mention at the Carnation show in Chicago January 19. Rooted Cuttings, $2.50 per 100; 2-in. pots, $3.50 per 100.

LAKE GENEVA FLORAL CO.,
LAKE GENEVA, WIS.

Please mention the American Florist when writing.

S. ALFRED BAUR, WHOLESALE & RETAIL FLORIST ERIE, PA.



We are in position to supply all the leading varieties of **CARNATIONS** that were exhibited at Buffalo. **OUR STOCK IS IN FINE CONDITION.** We have nearly all varieties transplanted in soil, **ready for shipment now.**

HERE ARE SOME OF THE LEADERS:

	Per 100	Per 1000
The Marquis	$10.00	$ 75.00
Mrs. Thos. Lawson	14.00	120.00
Ethel Crocker	$ 10.00	$ 75.00
Genevieve Lord	10.00	75.00
Olympia	$ 12.00	$100.00
Chicago or Red Bradt	7.50	60.00

	Per 100	Per 1000
G. H. CRANE, the most profitable scarlet	$ 6.00	$50.00
Mrs. Geo. M. Bradt, " " striped	5.00	40.00
White Cloud, " " white	4.00	30.00
Gold Nugget, " " yellow	4.00	30.00
Frances Joost, the most profitable standard pink	$3.00	$25.00
Gen. Gomez, " " crimson	5.00	40.00
Gen. Maceo, " " crimson maroon	6.00	50.00

We also have the following standard varieties in strong, well-rooted stock from sand and soil:

	Per 100	Per 1000
America—fine scarlet	$5.00	$40.00
Argyle—dark pink	2.00	15.00
Albertini—sweet scented pink	2.00	15.00
Cerise Queen—cerise pink	2.50	20.00
Daybreak—leading light pink	2.00	15.00
Evelina—free blooming white	2.00	15.00
Flora Hill—the leading white	2.00	15.00
Glacier—dwarf white	6.00	50.00
Jubilee—best midwinter scarlet	$2.00	$15.00
Melba fine pink	5.00	40.00
Mrs. Jas. Dean—long stem pink	3.00	25.00
Mrs. McBurney daybreak color	2.50	20.00
Mayor Pingree—fine yellow	2.50	20.00
Meteor—crimson	2.00	15.00
New York—very free dark pink	3.00	25.00
Mary Wood—fine white	3.00	25.00
Triumph grand pink	$2.50	$15.00
Wm. Scott—standard pink	2.00	15.00
Tidal Wave—dark pink	2.00	15.00
Snow Queen—a fine white	3.00	25.00
Armazindy—fine striped	2.00	15.00
Alaska—good white	2.00	15.00
Victor—bright pink	2.00	15.00

Our aim is to supply a superior **quality** of plants only. We are prepared to give your order **personal attention.**

Terms Cash with Order. Address ***S. ALFRED BAUR, Erie, Pa.***

ROOTED CUTTINGS, Strictly First-Class and Guaranteed

Pink.

	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Gov. Griggs	2.00	15.00
Hector	3.00	25.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15.00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.

	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

ROSES.

	100	1000
American Beauties	$3.00	$25.00
Brides	1.50	12.50
Maids	1.50	12.50
Meteors	1.50	12.50

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Scarlet.

	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Jubilee	2.00	15.00
Bon Ton	2.00	15.00

Crimson.

	100	1000
Gen. Maceo	$6.00	$50.00
Gen. Gomez	6.00	50.00
Evaosion	2.00	15.00

Variegated.

	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00
Sandusky	3.00	25.00

Yellow.

	100	1000
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.

	100	1000
Argyle	$1.50	$12.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

FINE STOCK. **PANSIES.** AT LOW PRICES.

....THE JENNINGS STRAIN....

200,000 fine, stocky plants in cold frames. Large-flowering; superb colors; many are curled and fringed. 100 plants by mail, 60c.; 1000 by express, $3.50. Large plants in bud, 50c. per 100, ex. Seed of above, $1 per pkt., $5 per oz. 100 fine Pansy blooms by mail, 50c. Seed and plants can also be had in separate colors, same price.

100 choice mixed **Gladioli**, 50c. 100 extra large scarlet **Amaryllis** bulbs, $6. Medium size, $4 per 100. Samples sent for 10 cts. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254. **Southport, Conn.**

Grower of the Finest Pansies.

New Carnations.

12 NOVELTIES of 1900.

27 of the best STANDARD VARIETIES.

Send for price list.

Geo. Hancock & Son, Grand Haven, Mich

WELL-ROOTED

CARNATION CUTTINGS

Strictly First-class Stock from Our Own Greenhouses.

	Per 100
Wm. Scott, Edith Foster, Daybreak, Freedom	$1 00
Mrs. Frances Joost	2.50
Flora Hill	1 50

Ready now. Orders booked for future delivery from sand or soil

N. F. McCARTHY & CO.,

84 Hawley St., BOSTON, MASS.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9 00

Also fine **Lady H. Campbell**, rooted runners .75

JOS. RENARD, Unionville, Chester Co., Pa.

CARNATIONS.

Mrs. Thos. W. Lawson	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. Frances Joost, pink	2 50
The Marquis pink	10 00	Triumph, fine pink	1 50
Genevieve Lord, pink	10 00	Daybreak, shell pk	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H. Crane, scarlet	5 50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs. G. Bradt, var.	5.00	Wm. Scott, pink	1 00
Glacier, white, fine	4 00	Lizzie McGowan	1 00

Gen. Maceo, best crimson ..... $5 00 per 100
Mrs. Jas. Dean, fine pink ..... 3 00 per 100
Nephrolepis, Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz.

Cash please. **CARL HAGENBURGER, West Mentor, O.**

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.

$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,

1730 W. 107th St., Station 48, **CHICAGO, ILL.**

Please mention the American Florist when writing.

Newport, R. I.

The annual ball of the Newport Horticultural Society, held at Masonic Hall, February 7, was a pronounced success, socially and financially. The society has 230 members, some of them skilled decorators, and they never did better work than on this occasion. The guests included numerous social and political lights and the grand march, participated in by 100 couples, was led by Alderman Louis Shanteler and Miss Laurie, daughter of President Robert Laurie. The prize in the cake walk was awarded to Messrs. Casey and Meikle. The committee of arrangements consisted of Messrs. A. E. Burland, Louis Shanteler, W. T. Libby, S. Koschny and Wm. H. Maher, and the reception committee of Messrs. Rob't Laurie, Rob't Johnston, Alex. Ogg, R. Gardner and B. Butterton. Mr. Shanteler was floor director and John T. Allan assistant.

The marriage of Miss Sophia Fadden to Mr. Charles Hurn was a quiet affair, only the immediate friends of the family being present. Miss Fadden has for a number of years conducted a successful florist business on Bellevue avenue. Mr. Hurn until recently was gardener to the Hon. Perry Belmont and left that place to go into business for himself, leasing the estate and greenhouses of William Findley. It is said he intends making rose growing a specialty.

The show windows of Henry Hass and Arendt Brant, on Thames street, are kept well filled with fine stock. They report a good business.

The melons on the estate of Elbridge T. Gerry, of which the AMERICAN FLORIST gave a detailed description about this time last year, have proven a decided success. The gardener, Arthur Griffin, has melons for his employer at all seasons of the year and melons of good flavor at that.

William Findley, who has been seriously ill, is reported as improving. J. J. B.

FORT DODGE, IA.—P. L. Larson reports a good trade this winter.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00
DAYBREAK	1.25	10.00
ARGYLE	$1.25	$10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
PAINTED LADY	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

SPECIAL PRICE ON LARGE LOTS.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

CARNATION CUTTINGS.

	Per 100
MRS. LAWSON	$14.00
G. H. CRANE	5.00
AMERICA	3.00
MELBA	3.00
LESLIE PAUL	3.00
GOV. GRIGGS	3.00
MRS. BRADT	3.00
FRANCES JOOST	2.50
EVANSTON	2.50
JUBILEE	2.50
VICTOR	2.00
WHITE CLOUD	2.50
FLORA HILL	$2.00
GOLD NUGGET	2.00
TRIUMPH	2.00
DAYBREAK	1.25
ARGYLE	1.25
ARMAZINDY	1.25
LIZZIE McGOWAN	1.00
EVELINA	1.00
MAYOR PINGREE	1.00
WM. SCOTT	1.00
NIVEA	1.00
MORELLO	1.00

ROSE CUTTINGS.

METEOR	$1.50 per 100
BRIDESMAID	1.50 per 100
BRIDE	1.50 per 100
PERLE	$1.50 per 100
GOLDEN GATE	2.50 per 100

☞ Write for prices on large lots.

Ten per cent. discount on thousand lots. Write for prices on larger quantities.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

ETHEL CROCKER,

.....$10 PER 100.

	Per 100	Per 1000
AMERICA	$5 00	$40.00
G. H. CRANE	6 00	50.00
FLORA HILL	1 50	10 00
WHITE CLOUD	3 50	30 00
MRS. JOOST	2 50	20 00
DAYBREAK	1.50	10.00
VICTOR	1.50	12 50
BRADT	5.00	40.00

GRAFTED ROSES, LIMITED SUPPLY.

H. F. LITTLEFIELD,

WORCESTER, MASS.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With **18,000 stock plants** to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000. Price list of standard vars. ready now.

ALBERT M. HERR, Lancaster, Pa.

CARNATION CUTTINGS.

We have all the new and standard varieties.

Write for prices

WEILAND-RISCH FLORAL CO., Evanston, Ill.

New Crop

WINTER-BLOOMING CARNATION SEEDS

Hand fertilized, 25c per 100. Cash with order.

AMERICAN ROSE COMPANY, Washington, D. C.

CINCINNATI IS HEADQUARTERS FOR CARNATION CUTTINGS. We have them in both Quality and Quantity.

200,000 in sand and soil to back up what we say. Send a list of your wants and let me price it. WHOLESALE LIST READY.

WM. MURPHY, Carnation Specialist, - - - Station F, Cincinnati, O.

ROSES! ROSES! ROSES!

WE make the growing of Roses a specialty and carry an immense stock of them, having Two Millions now on hand. You are invited to inspect this stock. Our aim is to give value for value. We wish to merit the full confidence of every customer we have. It is this method of dealing that has built our trade up in the few years we have been in business, until we lead the world in Roses.

The following varieties at $3.50 per hundred or $30.00 per thousand; 25 at hundred rates, 250 at thousand rates, 50c per doz.

Augustine Halem
Bertha Clavel
Burbank
Caroline Marniesse
Christine de Noue
Clara Watson
Climbing Perle
Climbing la France
Climbing Devoniensis
Climbing Malmaison
Climbing Meteor
Champion of the World
Crown Princess Victoria
Caroline Goodrich
Crimson Rambler
Duchess of Albany
Duchess Marie Salviati
Devoniensis
Duke of York
Empress Eugene
Empress of China
Enchantress
Golden Gate
Helen Cambier
Hermosa
J. B. Varrone
K. A. Victoria
La France
Lamarque
Letty Coles
Mde. de Watteville
Mde. de Vatrey
Mde. Hoste
Mde. Honore Defresne
Media
Mde. Lambard
Mde. Pernet Ducher
Mde. Welche
Mde. Abel de Chatney
Marquis de Viviens
Marie Van Houtte
Miss Edith Gifford
Mrs. Robert Garrett
Mrs. de Graw
Muriel Graham
Princess Alice de Monaco
Princess Venosa
Pierre Guillott
Perle des Jardins
Papa Gontier
Rainbow
Royal Cluster
Reine Marie Henrietta
Sunset
Sombreuil
Souv. de La Malmaison
Souv. de Pres. Carnot
Souv. de Jeanne Labaud
Souv. de Catherine Guillott
Souv. de Mme. Eugene Verdier
Sylph
Santa Rosa
Striped La France
Triumph de Pernet Pere
Viscountess Folkstone
White Maman Cochet
White La France
W. A. Richardson
White Perle des Jardins
White Bougere

The following varieties at $3.00 per hundred, $25.00 per thousand; 25 at hundred rates, 250 at thousand rates, 40c per doz.

Aline Sisley
Antoine Verdier
Adam
Andre Schwartz
Anna Olivier
Agrippina
Apolline
Alba Rosea
Archduke Charles
America
Alister Stella Gray
Bon Silene
Bridesmaid
Beauty of Stapleford
Beauty of Greenmount
Bougere
Clothilde Soupert
Catherine Mermet
Cloth of Gold
Comtesse de Frigneuse
Cornelia Cook
Chas. Legrady
Countess Eva Starhemburg
Clarie Carnot
Carmine Pillar
Canary
Chas. Rovolli
Coquette de Lyon
Comtesse Riza du Parc
Dr. Reymont
Dr. Grill
Duchess de Brabant
Duchess de Thuringe
Ernst Metz
Etoile de Lyon
Edouard Lettaye
Enfant de Lyon
Henry M. Stanley
Homer
Isabella Sprunt
Joseph Metral
Jules Finger
James Sprunt
Leonie Osterreith
La Princess Vera
La Sylphide
Louis Phillippe
Louis Richard
Lucullus
La Phœnix
Mde. Martha Dubourg
Mde. Eli Lambert
Mde. Jos. Schwartz
Mde. Schwaller
Mde. Scipion Cochet
Mde. Bravy
Mde. Caroline Kuster
Mde. Margottin
Mde. Pauline Labonte
Mde. Damaizin
Mde. Jure
Mde. de St. Joseph
Mde. Alfred Carriere
Marie Drevon
Marie Guillott
Maurice Rouvier
Marechal Robert
Monsieur Furtado
Monthly Cabbage
Marie Ducher
Mosella
Md'lle C. Berthod
Md'lle Francisca Kruger
Ophelia
Purple China
Pink Daily
Pink Soupert
Princess Hohenzollern
Pink Rambler
Queens Scarlet
Reine Olga de Wurtemburg
Safrano
Souv. de Un Ami
Sanguinea
Souv. de David
The Queen
The Bride
Triumph de Luxemburg
Viscountess Wantier
Virginia
White Rambler
White Bon Silene
White Daily
Yellow Rambler

NEWER ROSES.

	Price per Doz.	Price per 100.
Bardou Job	$0.75	$5.00
Climbing Bridesmaid	1.00	6.00
Climbing Paul Neyron	1.00	6.00
Climbing Wootton	.75	5.00
Coronet	1.00	6.00
Ferdinand Jamain	1.00	6.00
Helene (The New Rambler)	.75	6.00
Mrs. Robert Peary (or Climbing Kaiserin)	1.52	8.00
Maid of Honor	.75	6.00
Preciosa	.75	6.00

WE ALSO OFFER CHOICE STOCK OF THE FOLLOWING PLANTS.

	Price per Doz.	Price per 100.
Asparagus Sprengerii	$0.50	$3.50
Asparagus Plumosus Nanus	.50	4.00
Apple Geranium	.50	4.00
Antigonon Leptopus	.50	3.50
Acalypha Sanderii	1.00	8.00
Acalypha Triumpans	.50	3.50
Aspidistra Lurida Variegata	1.00	6.00
Begonia Rex, fine assortment	.50	4.00
Bougainvillea Sanderiana	.60	4.00
Caladium Esculentum, extra fine bulbs	.75	6.00
Coleus, choice bedders	.35	2.50
Crotons, fine collection	.50	4.00
Calla Lilies	1.00	6.50
Cyperus Alternifolius	$0.40	$2.50
Chrysanthemums, best sorts	.40	2.50
Carnations, leading kinds	.40	3.00
Fuchsias, best varieties	.50	3.00
Hibiscus, all colors	.40	3.00
Hydrangeas, several sorts	.50	3.50
Heliotropes, best varieties	.40	2.50
Moonflowers	.50	3.50
Otaheite Orange	.50	3.00
Pansies	.20	1.00
Salvias	.40	3.00
Swainsonia, white and pink	.40	3.00
Violets, leading kinds	.50	3.50

WE are headquarters for all kinds of plants, such as Abutilons, Palms, Cycas, Ficus Elastica, Araucarias, Ferns, Fern Balls, Amaryllis, Azaleas, Tuberous Begonias, Camellias, Clematis, Fancy Caladiums, Marguerite Daisies, Dahlias, Gloxinias, Gladiolus, Genista, Honeysuckles, Jasmines, Lantanas, Lily of the Valley, Oleanders, Hardy Phlox, Plumbagos, Primulas, Hardy Pinks, Smilax, Tuberoses, Verbenas, etc., etc.

Our wholesale catalogue is now ready, and will be mailed to all applicants. Write for it as our prices will be sure to interest you. It contains all kinds of Plants, Bulbs, Roses, etc.

Largest Rose Growers in the World. GOOD & REESE CO. Springfield, Ohio.

Toronto.

ANNUAL BANQUET OF THE CLUB.—SOME VERY GOOD STOCK SHOWN.—TRADE BRISK AND PRICES FAIR.

The annual banquet of the Toronto Gardners' and Florists' Club was an unqualified success. Fifty members were present and the tables, which were spread in the banquet room of Webb's Cafe, were gay with plants and cut flowers. There were some splendid orchids and decorative plants from Exhibition Park and the Horticultural Gardens, and cut flowers from J. H. Dunlop, Manton Bros., H. Dale and Wm. Jay & Son. Dunlop's carnations, Melba, Glacier, Gen. Maceo, Mrs. G. M. Bardt and G. H. Crane were particularly admired. The decorating was the work of E. Collins and J. H. Goodier. The banqueters were in a most jovial mood and the speeches were most enthusiastically received. W. J. Lawrence, P. C. Kennedy, B. J. Score and F. Verrall contributed to the vocal programme.

Trade has been good, with fair prices. Roses have been very scarce, but are now improving in both quality and quantity. Miller & Son's are cutting some very fine carnations, especially Lady Van Horne and Lady Minto, which are good varieties, with long stiff stems, and favorites with many of the large buyers.

J.

GIBSON CITY, ILL.—Swan Peterson is having excellent success with his violets and carnations. He is now shipping a daily average of 3000 violets to the Chicago market.

OWOSSO, MICH.—John S. Schleider has a range of six good greenhouses, each 24x100, and his recently opened down town store, with neat conservatory 22x40, is doing a nice business.

WATERBURY, CONN.—Dalton & Costello have purchased the retail business, with stock and fixtures, of R S. Rasmussen, 199 Bank street. Mr. Rasmussen will devote himself entirely to the business at his greenhouses.

100,000 R. C--No Discount.

CARNATIONS, Ready. Per 100

Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10.00
Olympia, variegated	12.00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	5.00
America, scarlet	4 00
Melba, light pink	3.00
Mrs. Geo. M. Bradt, variegated	3 00
Glacier, white	3.00
Maud Adams, dark pink	3.00
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3 00
Argyle, pink	1 50
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1.00
Flora Hill, white	1.25
White Cloud, "	2 50
Mary Wood, fine white	3.00
Jubilee, scarlet	1.25
Psyche, variegated	1.00
Morello, dark scarlet	1.00
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

FOR IMMEDIATE DELIVERY,

100,000 Vinca Major Variegata, 2-inch pots, ready for 3s, $3.00 per 100; $25.00 per 1000.

We can also supply the **BEST 1900 NOVELTIES** IN

Carnations and Chrysanthemums

And a choice selection of

New Cannas and New Geraniums

If in need of certain standard varieties of **CHRYSANTHEMUMS for MAY, JUNE or JULY PLANTING,** let us give you figures now It will cost no more than to buy later and will insure getting the desired kinds.

CATALOGUE FREE ON APPLICATION.....

NATHAN SMITH & SON, Adrian, Mich.

Please mention the American Florist when writing.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List. Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000		100	1000
G. H. Crane	$6.00	$50.00	Flora Hill	$2.50	$20.00
General Gomez	5.00	40.00	America	6.00	50.00
General Maceo	5.00	40.00	Melba	5.00	40.00
Mrs. Frances Joost	3.00	25.00	Maud Adams	5.00	40.00
Mrs. G. M. Bradt	5.00	40.00	Gold Nugget	3.00	25.00
White Cloud	3.00	25.00	Jubilee	3.00	20.00
Glacier	6.00	50.00	Daybreak	2.00	18.00
Cerise Queen	3.00	25.00	Tidal Wave	2.00	15.00
Mrs. Jas. Dean	3.00	25.00	Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

ROOTED CARNATION CUTTINGS

Our Carnation Cuttings are made from selected stock and are guaranteed free from disease, and first-class in every particular. Prices are as low as good stock can be produced for.

	Per doz.	Per 100	Per 1000
MRS. THOS. W. LAWSON, Cerise Pink	$3.00	$14 00	$120.00
Olympia, variegated	2 00	12.00	100.00
Ethel Crocker, pink	1.50	10.00	75.00
Genevieve Lord, light pink	2.00	10.00	75.00
Chicago, Red Bradt	1.50	7.50	60.00

	Per 100	Per 1000		Per 100	Per 1000
Gen. Maceo, crimson	$6.00	$50.00	New York, deep pink	$2.00	$15.00
Gen. Gomez, crimson	6.00	50.00	Victor, pink	2.00	15.00
G. H. Crane, scarlet	6 00	50.00	Flora Hill, whi	2.00	15.00
America, scarlet	5.00	40.00	Triumph, pink	2.00	15.00
Mrs. G. M. Bradt, variegated	5 00	40.00	Argyle, pink	1 25	10.00
White Cloud, white	4.00	30 00	Armazindy, variegated	1 25	10.00
Evanston, deep pink	2.50	20.00	Daybreak, light pink	1.25	10.00
Mrs. Frances Joost, pink	2.50	20.00	Eyelina, white	1.00	7.50
Mrs. James Dean, pink	2.50	20.00	Lizzie McGowan, white	1.00	7.50
Gold Nugget, yellow	2.50	20.00	Wm. Scott, pink	1.00	7.50
John Young, white	2.50	20.00	Portia, red	1.00	7.50
Jubilee, scarlet	2.00	15.00			

HOLTON & HUNKEL CO., MILWAUKEE, WIS.

DREER'S SPECIAL OFFER

OF SEASONABLE BULBS.

Tuberous Rooted Begonias. The finest strains obtainable.

Singles in separate colors	10c per doz.	$2.50 per 100.	$20.00 per 1000
" " choice mixture	35c "	2.00 "	18.00 "
Double in separate colors	65c "	5.00 "	40.00 "
" " choice mixture	50c "	4.00 "	35.00 "

New Frilled Begonia. A grand novelty with wavy petals which are beautifully frilled like the finer forms of petunias. We offer strong bulbs, 25c each; $2.50 per dozen; $20.00 per 100.

New Sun-Proof Begonia, Duke Zeppelin. The most brilliant of all the tuberous rooted varieties, flowers double, of the most dazzling pure scarlet, strong bulbs, 20c each; $2.00 per dozen; $15.00 per 100.

Caladiums, Fancy Leaved. A choice assortment of 25 distinct varieties, strong bulbs, $2.00 per dozen; $15.00 per 100.

Caladium Argeyrites. A fine lot of this most desirable and scarce miniature variety, which if started at once will make fine plants to use at Easter, good bulbs, $2.00 per dozen; $15.00 per 100.

Crocosmia Aurea Imperialis. A summer flowering bulb of recent introduction, orange colored, star shaped flowers 3 inches across, 30c each; $3.00 per dozen.

Gloxinias in separate colors or in choicest mixture, fine sound bulbs, 50c per dozen; $4.00 per 100; $30.00 per 1000.

Dahlias. Our collections embrace the best now grown; we offer:

1 set of Twelve Double Show Dahlias	$1.00 per set.	$8.00 per 100	
" " " Fancy	1.00 "	8.00 "	
" Six Superb Quilled	.50 "	8.00 "	
" Twenty-five Choice Cactus	2.00 "	8.00 "	
" Ten Superb Single	.85 "	8.00 "	

Dahlia, Storm King or Blizzard, 25c each; $2.50 per dozen; $20.00 per 100.
Montbretias. Seven finest varieties, 25c per dozen; $1.75 per 100; $15.00 per 1000.
Tigridia Conchiflora, Grandiflora Alba and Pavonia Grandiflora, 30c per dozen; $2.00 per 100.
Caladium Esculentum, Gladiolus, Etc., Etc.

HENRY A. DREER, Philadelphia, Pa.

Grafted Roses

A NO. 1 STOCK

ORDERS BOOKED NOW.

BRIDE, BRIDESMAID, GOLDEN GATE, KAISERIN, METEOR—2½-in. pots, $12.00 per 100, $90.00 per 1000

Own Roots

WOOD FROM GRAFTED STOCK ONLY.

BRIDE, BRIDESMAID, KAISERIN, METEOR, BON SILENE—2¼-in. pots, $3 50 per 100, $30.00 per 1000; 3 in., $6.00 per 100 $50 00 per 1000.

GOLDEN GATE, AM. BEAUTY—2¼-in. pots, $4 00 per 100; 3-in., $7 00 per 100.

S. J. REUTER, Westerly, R. I.

Following **ROSES**

in 2 and 2½-inch pots, now ready to ship.

Perles, Woottons, Kaiserins, Maids, Beauties.

Those in 2½-in. have been shifted from 2s and are about ready for 3s.

A special in BOSTON FERNS in 5-in. pots. Write

GEO. A. KUHL, Pekin, Ill.

PANSIES

WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,

139 Grant Ave., JERSEY CITY, N. J.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

SMILAX FROM FLATS

By mail, 50c per 100; $4 00 per 1000
2-in pots, $1 50 per 100; $13 00 per 1000.

Geraniums, 2-in pots... $2 25 per 100; $20.00 per 1000.
Hydrangeas, 3-in. pots, $5 00 per 100; 4-in pots, $10.00 per 100
Canna Clumps.....$3 00 per 100

Send for Samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY,** the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots

50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
3-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa.
Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

When writing mention the American Florist

40,000 IRISH 35,000 ENGLISH MANETTI

To arrive within the next week. After filling orders will have a few thousand left. It will not be too late to graft your Roses, and it will pay you to experiment, if you are not a regular "Grafter."

Price for the Asking.

HARRY A. BUNYARD, "MANETTIST," 42 W. 28th St., NEW YORK CITY.

Golden Gate Rose

WINS THE LEAD.

As the largest growers of this rose in the world we offer two-eyed **ROOTED CUTTINGS** at **$2.50 per 100** by mail and we pay the postage. Large contracts solicited.....

Send for circular..... **AMERICAN ROSE COMPANY, Washington, D. C.**

FERNS ..FROM.. 2¼-IN. POTS

Aspidium Tenesmense	$2.50 per 100
Cyrtomium Falcatum	3.00 "
Pteris Cretica Magnifica	3.00 "

Cash with Order.

L. MENAND, Cemetery Ave., ALBANY, N. Y.

Please mention the American Florist when writing.

CHOICE GALAX, Green and Bronze, 50 cents per 1000.

CHOICE LEUCOTHOE, Bronze and Green, $1.75 per 1000. Orders from cold storage. Cash with order or satisfactory references.

W. H. Williams Bro., Victoria, Macon Co., N. C.

SPECIALTIES

IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Please mention the American Florist when writing.

PRIMROSES, from 3 and 3½-in. pots, 75c. per doz., $5.00 per 100.

ALTERNANTHERA, $4.00 per 1000.

E. I. Rawlings, Wholesale Florist, QUAKERTOWN, PA.

Poughkeepsie, N. Y.

Preceeding the banquet of the Dutchess County Horticultural Society, briefly chronicled in our last issue, the annual meeting of the organization was held and officers elected as follows: President, F. R. Newbold; vice-president, James Blair; secretary, W. G. Gomersall; treasurer, Chas. Mitchell. It was voted to hold quarterly meetings in the coming year, instead of monthly as heretofore. Too much cannot be said in praise of the banquet, which was, in all its features, one of the best a body of horticulturists ever sat down to. The company included many guests of prominence socially and the speeches were gems in their way. The floral decorations were exceedingly rich, including Bougainvillea speciosa, Bignonia venusta, passiflora and lilacs from David Gindra, seedling carnations from C. W. Ward, carnations, roses and violets from Jas. Horrocks, carnations from M. J. Lynch and Liberty roses from Ernst Asmus. Mayor Sherrill promised a prize of $25 value for the best 200 violets at the next show, to be known as the Poughkeepsie prize. Mr. Asmus offers substantial prizes for Liberty rose, Mr. Ward for carnations, President Newbold for table decorations, Wm. Elliott & Sons, Peter Henderson & Co., German Kali Works and others for various other objects and thus a rousing time next fall is assured.

MORRIS, ILL.—G. F. Holmes has purchased the Lee Martin property and will grow plants and flowers for the retail trade.

SALEM, MASS.—Geo. W. Cressy has a new white seedling carnation which has been named for his foreman, Arthur Poppei.

PUEBLO, COL.—Victor Johnson, proprietor of the Lakewood Greenhouses on Claremont avenue, reports his stock in fine shage and trade at his store, just opposite the postoffice, all that could be expected.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.
Begonia Gloire de Lorraine
EDGAR,
Write for prices. WAVERLEY, MASS.

CHRYSANTHEMUMS
Yellow Queen, Mrs. Robinson G. Kalb, Merry Monarch, Maj. Bonnaffon, Lager, Golden Trophy, Ivory, Lady Playfair, R. C., 100, $1.00; 1000, $9.00; clumps, 100, $4 00. **BEGONIA** Rex, fine mixed R. C., 100, $1.50. **VINCA VAR** field clumps, 100, $4.00; 2-in. pots, $1.50. **AGERATUM**, dwarf or tall, 2-in. pots, 100, $1.50 cash.
H. DANN & SON, Westfield, N. Y.

ROSES, CLEMATIS, RHODODENDRONS, ETC

ROSES, Strong 2 Year Field Crown.

	Per 100
Crimson Ramblers with 4 to 5 feet canes,	$15.00
Crimson Ramblers, 2d size, 2 to 3 feet canes	8 00
Yellow Rambler, two years	8.00
Hybrid Perpetual, in fine assortment	10.00
Wichuriana, Japan creeping Rose	6.00
Wichuriana Hybrids, 4 varieties	8.00
Tree Roses, fine beads	30.00

Liberty, new red forcing Rose, from 2½-in. pots, 12 plants at 60c each, 25 at 50c each, 50 at 30c each, 100 at 25c each.
General assortment of Everblooming Roses from 2½-in. pots. $3.00 per 100, $25 per 1000.

CARNATIONS, Rooted Cuttings.
Mrs. Thomas Lawson, $14 00 per 100. Ethel Crocker, $10 per 100. The Marquis, $10.00 per 100. Olympia, $12.00 per 100.

RHODODENDRONS.
Large stock of best hardy varieties 15 inches to 3 feet high, clean bright foliage and well set with buds, $45.00 to $150.00 per 100.

CLEMATIS.
Jackmanii, Henryi, Duchess of Edinburg, Ramona, and other large flowered varieties, strong two year plants, $20.00 per 100; strong three years $25.00 per 100.

AZALEA MOLLIS.
Strong, bushy plants well set with flower buds, $35.00 per 100.

Hydrangea Paniculata Crandiflora.
2½ to 3 feet, $10.00 per 100; tree form, 4 to 5 feet high, $25.00 per 100.

Fruit and Ornamental Trees, Shrubs, etc., in large assortment.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

CLEARING SALE.
Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, (August sowing), transplanted twice, from flats, $2.50 per 100; $20.00 per 1000, from 2½-in. pots, $4.00 per 100; $35.00 per 1000, a few hundred plants left from 3½-in. pots in bud and bloom, $1 per doz; $8 per 100.
Chinese Primroses, (fringed foliage) no finer strain on the market, single and double in seven colors in bud and bloom from 2½-in. pots, $1.75 per 100, from 3-in. pots, $3.50 per 100, from 3½-in. pots $5.00 per 100. **Cineraria Hyb. max. grandiflora**, strong plants twice transplanted $1.00 per 100.
Rex Begonias, fine assortment, from 3-in. pots, $5.00 per 100. **Pelargoniums**, Mme. Thibaut, Mme. Vibert, Fred. Dorner, Dr. Masters, Victor, (rooted cuttings) mixed, $2.50 per 100, from 3½-in. pots, $1.00 per doz.; $8.00 per 100.
Cannas, (started from sand bed) ready March 15, Mme. Crozy, Bouvier, Queen Charlotte, Florence Vaughan, Austria, $3.50 per 100, $30.00 per 1000.
All the above warranted A No. 1 stock.
PAUL MADER, East Stroudsburg, Pa.

FERNS...
Fine stock, 2¼-inch pots, **Cyrtomium falcatum**, $4.00 per 100; $35.00 per 1000. **Pteris serrulata cristata compacta**, $3.50 per 100; $30.00 per 1000. ☞Special prices on large quantities.
GARFIELD PARK FLOWER COMPANY,
1688 W. Madison St., CHICAGO.

600 Cyclamen Persicum Giganteum
In bud and bloom, all excellent plants at $12.00 per 100.
JOS. LABO, Joliet, Ill.

FANCY CALADIUMS
Good assortment in light to dark shades. List No. 1, 10 varieties, fine large tubers, $6 00 per 100.
List No. 2, very choice assortment in 10 varieties, some of the best of the new Brazilian sorts, $10.00 per 100, or 100 of each list, 20 named varieties, for $15.00.
OAK GROVE NURSERIES, Seven Oaks, FLA.

Daffodils & Jonquils
CAREFULLY PACKED TO CARRY LONG DISTANCES
Per hundred, $1.25; per thousand, $10.00.
SOUTHERN WILD SMILAX.
Per case of 50 lbs., $2.00. Per case of 25 lbs., $1.50.
F. & S. LEE, Marion, Ala.
Dealers in Cut Flowers and Decoration Evergreens

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

GERANIUMS. A few thousand left, in 2¼-in. pots, at $30 per 1000; $3 25 per 100: S. A Nutt, LaFavorite, Richard Brett, Marguerite de Loys, Mrs. Jas. Garr, Mrs. E. G. Hill, Wunder, Granville, Rev. Atkinson and Rose Geranium. Also Rose Geranium cuttings at $2 per 100.
Mme. Salleroi Geraniums in soil, $1.50 per 100; $12 00 per M
COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots $1.25 100.
AGERATUM, Blue and White, 75c per 100; 1¾ in. $1.25 per 100. Princess Pauline, $1 00 per 100; 1¾-in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100.
HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot. $1 50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.60 per 100; 2½-in. pots, $2 50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.
VINCAS, $1 25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M. Fine plants.
The above are rooted cuttings, except when noted.
CASH MUST ACCOMPANY ALL ORDERS.
J. E. FELTHOUSEN, Schenectady, N. Y.

Pteris Deweyana.
A most desirable new fern, now offered for the first time by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts; hard, and grows very freely from spores.

12 Fine Plants, 3 inch pots	$ 3.00
100 " " " "	20.00
12 Good Plants, 2 inch pots	2.00
100 " " " "	15.00

Six latter mailed, $1. With balls of roots undisturbed.
JOHN H. LEY,
GOOD HOPE. WASHINGTON, D. C.
Please mention the American Florist when writing.

NAMED VARIETIES OF GERANIUMS.	Per 100
S. A. Nutt, J. Y. Markland and La Favorite, from 2¼-inch pots	$3.00
4 inch pot Vinca Vines	6.00
3 " " " "	4.00
Rooted Cuttings Vinca Vines (from flats)	1.50
3 inch pot Primroses, in bud and bloom, ready to repot	4.00
2 inch pot Primroses, in bud and bloom, ready to repot	2.00
2 inch pot Smilax plants	2.00

Cash with order or C. O. D.
WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

NEW DAHLIAS
Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**
W. P. PEACOCK, Atco, N. J.

THE BOSTON FERN A SPECIALTY.
Only orders booked at............$5.00 per 100, $40.00 per 1000.
L. H. FOSTER, 45 King St., DORCHESTER, MASS

Ewell's Pan Stock Sells

WE OFFER NOW a big variety of choicest forcing bulbs, in pans, ready to open. Cut blooms by hundred or thousand.

AZALEAS, best selling sorts in bud or bloom.

Lowest Wholesale Figures.

WM. S. EWELL & SON,

Telephone Connection. **38 Wayland St., ROXBURY, MASS.**

CABBAGE PLANTS.

Jersey Wakefield and other vars. from cold frames, transplanted, 25c per 100; $1.50 per 1000; $12.50 per 10,000. If by mail add 20c per 100.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

PEPPER, small plants for transplanting, in several varieties; 25c per 100, $2.00 per 1000. Add 10c per 100 if by mail.

EGG PLANTS, New York Improved, for transplanting, 25c per 100; $2.00 per 1000.

CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

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Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well-tested ones good enough? I have both. My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Pæonies. Write for catalogue and price list

W. W. WILMORE, Dahlia Specialist,
Box 382. Denver, Colo.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

ROOTED CUTTINGS

Verbenas 40 varieties, 60c per 100; $5.00 per 1,000. Petunias, 30 kinds, $1.25 per 100 Heliotrope, 15 kinds, $1per 100 Coleus, 30 kinds, 70c. per 100; $6.00 per 1,000. Ageratums, 3 kinds, including Princess Pauline, 70c. per 100 Alyssum, double, $1 per 100 Geraniums from 2in pots mixed varieties, strong and healthy, $2.50 per 100. Lantanas, 4 kinds, $1.25 Salvias, 3 kinds, $1 per 100. Fuchsias in variety, $1.50 per 100. Express prepaid and satisfaction guaranteed, Cash with orders. No checks accepted Write

S. D. BRANT, CLAY CENTER, KANS.

American Florist Advertisements Pay Advertisers.

SPECIAL LOW PRICES ON NOVELTIES, ETC.

3 NEW FORGET-ME-NOTS, "SUTTON'S GEMS."

IN 3 COLORS, PINK, WHITE, BLUE.

If put in pans for Easter Blooming, will bring $1.00 Each!!

The strongest growers. The freest bloomers. The longest sprays. Brings double the price of any other. **Large clumps, ready to divide, $4 per 100 or 25 for $1.00 by express.** Smaller ones by mail prepaid, same price.

ASPARAGUS SPRENGERI 2½-inch, $4.00 per 100; 3½-inch, $7.00.

LACE FERN, Polystichum Proliferum Wollastoni.

Some say it's finer than "Boston Fern." Perfectly hardy; grows well under benches; fronds bring $1 per 12, last over one month in water. Young plants, 50c per 12, mailed; $4 per 100. Larger, $1 per 12 or $8 per 100, express.

NEW PINK ASTILBE CHINENSE.

Novelty introduced by Mr. Lemoine last year at $2 per plant. Large spikes of feathery flowers, *very fragrant.* Excellent for Easter. $1.50 per 12; $10.00 per 100.

NEW BUDDLEIA VARIABILIS (Chinese Lilacs).

Fine long sprays of sweet-scented flowers, good for forcing. Strong clumps, $1.50 per 12, $10.00 per 100.

NEW PINK BEGONIA GRACILIS.

Blooms winter and summer—*blooms always.* Strong rival to Gloire de Lorraine, better pink, dwarfer. Blooming plants, $1 per 12, $7 per 100; 3½-in. pots, double price.

HARDY CHINESE BEGONIA EVANSIANA.

Stands 20 degrees below zero!! Dense clusters of sweet-scented pink flowers; immense foliage, highly ornamental. *Bulblets,* 50c per 12, $2.50 per 100, mailed.

NEW DOUBLE BEGONIA DUKE ZEPPELIN.

Glowing double scarlet, best of all summer bloomers, $1.50 per 12, $12 per 100, mailed.

NEW SWEET-SCENTED CALLA.

Mr. Burbank's 1000-dollar Calla. Blooming size, $1.25 per 12, mailed.

NEW YELLOW CALLA, LEMON GIANT.

Leaves 2 feet long, 1 foot wide, immense yellow flowers; large bulbs, $6 per 12, mailed.

SPOTTED CALLAS.

$2 per 100; largest, $4. LITTLE GEM, 60c per 12, $4 per 100.

PRIMULA OBCONICA GRANDIFLORA HYBRIDA.

$4 per 100, 60c per 12.

GENUINE EDELWEISS FLOWERS!!

Last forever, 25c per 12; $2 per 100, mailed. Plants, $1.25 per 12.

THE $10,000 NOVELTY!!

KALANCHOE FLAMMEA

Is said to be worth that much to its introducer!! **OUR KALANCHOE CARNEA** is similar in every respect excepting the color, which is *chrome yellow* instead of orange scarlet, a continuous bloomer, fine ornamental foliage, $2 per 12, mailed.

NEW KALANCHOE MARMORATA.

Flowers pure white, 5 inches long, in panicles a foot across. Silvery, succulent foliage, spotted purple, fine show plant, recently color-plated in Botanical Magazine, $2 per 12.

Baby Primrose, in bloom	$5.00 per 100
	Per 12
Browallia Jamesoni (Orange Violet)	$1.00
Cyperus Alternifolius	.50
Caryopteris, new white	1.00
Chrysis Werckleyi, orange	2.00
Clematis Paniculata, strong	1.00
New Deutzia Lemoine Corymbosa	2.50
New Golden Feather Elder	2.50
New Hibiscus Archeri	1.25
New Incarvillea Variabilis	1.00
New Incarvillea Delavayi	2.50
New Russellia Elegantissima	2.00
New Rue lia Makoyana	1.00
New Salvia Lemoinei, fine	1.25
New Tropæolum Phoebe	1.00
New Moss Verbena	.75
New Pampas Lily of the Valley	1.00
Agapanthus, double blue	1.50

	Per 12
Amaryllis Formosissima	$ .50
" Longiflora, pure white	1.00
" Veitch's seedlings, inbred	5.00
	Per 100 Per 12
Begonias, single	$2.00 $ .40
" double	4.00 .75
Caladium Esculentum	2.00 .50
Caladium, fancy leaved	6.00 1.00
Cannas, in variety	1.50 .50
Cyclamen, hardy sorts	4.00 .60
Dahlias, 500 sorts	4.00 .75
Gloxinias, named sorts	4.00 .60
Irises, German and Japanese	2.00 .50
Lilium Longiflorum, plump	6.00 1.00
Oxalis in sorts	.30
Pancratium (hardy) white	3.00 .50
Zephyranthes Rosea	2.00 .30

Send for list of other new Plants and Bulbs.
25 at 100 rate; add 10% on dozens if mailed.

A. BLANC & CO., Philadelphia.

REX BEGONIAS

To Clean Up.

	100	1000
Out of cutting bench	$1.25	$10.00
Similax, seedlings	.50	4.00

CASH PLEASE.

JOHN C. ENGLEHORN, Successor to FISHER & SON,
901 S. Market St., GALION OHIO.

CINERARIAS

For Easter Flowering.

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors, fine, stocky plants, 2½-in., $2 per 100; $5.00 per 300. 3 in., $3.00 per 100. 4 inch, $1.00 per doz.

SHELLROAD GREENHOUSE CO.,
Grange P. O., Baltimore, Md.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

PANSIES.

	Per 100
Large-flowering strain	1000, $2.50, $ .50
OXALIS floribunda, 2-inch pots	2.50
ALTERNANTHERA, yellow	1.75
ALTERNANTHERA, red	2.00
GERANIUMS, 16 varieties, 2½-inch pots	3.00

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Washington.

MORE ELABORATE DECORATIONS.—MANY FUNERAL FLOWERS.—TRADE GOOD BUT GOOD STOCK SOMEWHAT SCARCE.—A NEW FIRM.—NOTES.

The President and Mrs. McKinley gave the last state dinner of the regular series on February 7, when the members of the Supreme Court were the guests of honor and the East Room was again beautifully decorated, some of the choicest products of the skill of Messrs. Pfister and Brown being employed.

The decorations at the Church of the Covenant, where the remains of Gen. Henry W. Lawton lay in state, were very elaborate. Eight large flags hung from the sides of the dome, the lower ends draped around the four large pillars which were festooned wirh southern smilax. The grand chandelier was tastefully festooned with fine smilax and the pulpit was banked with palms and azaleas. There were many floral designs, some of them superb. The deçorations were under the supervision of G. H. Brown.

The retail trade is very good. First-class stock is much in demand and brings fair prices, but is somewhat scarce. Z. D. Blackstone says he sells more $3 per dozen roses than any other grade.

The Grant Floral Co., Wm. Crawford, manager, have opened a fine store at the corner of Grant Place and Ninth street, N. W. I think it will prove a good stand.

C. F. Hale is confined to the house with a touch of pneumonia and J. Louis Loose has been sick for a week or so with the grip.

L. C. Bobbink passed through Washington the other day. P. G.

ROOTED CUTTINGS

Nice, Clean Stuff, and Well-Rooted.

Verbenas, 75,000 now ready, twenty-six varieties..............100, 60c.; 1000, $5.00; 5,000, $25.00
New Daisies, (or Marguerites), the best that have ever been introduced. Try a few of them and find out for yourself.
Carl Poehlman—the new yellow ever-blooming Paris Daisy................Doz., 25c.; 100, $1.25
Madame Farlaiellon—bright, silvery-green foliage, white flowers, very dwarf grower Doz., 25c.; 100, $1.25
Madame Gailberl—large white petals, yellow disc. Nothing can be imagined that is finer Doz., 25c.; 100, $1.25
New Salvia Yellow Bird—bright yellow foliage, bright scarlet flowers, Doz., 20c; 100, $1; 1000 $9.
Salvia Habald—This is more dwarf and much better than Old Splendens. Doz., 20c; 100, $1.00; 1000, $9.00
Geranium—Mme. Salleroi....100, $1.25; 1000, $10.00
Ageratum—Princess Pauline Doz., 20c.; 100, $1.00; 1000, $9.00
Coleus—Golden Verschaffeltii, Scarlet Verschaffeltii, Fire Brand, Tam O'Shanter, South Park Gem, Alhambra, Fire King, Golden Crown, Midnight, Salvator, John Goode, Spotted Gem, Combination, Mrs. F. Sanders, Nigger, Queen of the West, Beckwith's Gem,...100, 70c.; 1000, $5.50; 5000, $25; 10,000, $45.
Heliotropes—three fine varieties. Doz., 20c.; 100, $1.00; 1000, $9.00
Maneltia Vine......Doz., 25c.; 100, $1.25; 1000, $11.00

Send for Price List.

I pay Express charges and guarantee to please you in every way.

S. T. DANLEY, MACOMB, ILL.

	Per 100
Perfection Winter-blooming Forget-me-not, from flats	$1.50
from 2¼-inch pots	2 00
from 2½-inch pots	2 50
Ageratum, white and blue, rooted cuttings	.75
" " " strong, from flats	1.00
" " " from 2 and 2¼-inch	1.50
Paris Daisy, white, strong, from flats	1.50
Double Alyssum, " " "	1.50

CASH WITH ORDER, PLEASE.

CHARLES S. DUTTON,
85 W. 12th St., HOLLAND, MICH.

Please mention the American Florist when writing.

Dormant Roses For Potting Up Now, For Easter Flowering.

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes	Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes	100, 20.00
2 year old Budded stock, 3 ft. canes	Doz., $2.00 100, $15.00

American Beauty 2 year budded........100, $15.00	Hermosa, extra strong Holland grown 2 year Own roots.........100, $13.00
Kaiserin A. Victoria, 2 year budded.... " 15.00	Hermosa, Own roots French grown..... " 8.00
Mad. Caroline Testout, 2 year budded... " 15.00	Clothilde Soupert, 2 year field grown ... " 10.00

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jack.	John Hopper.	Baron Bonstettin.	Paul Neyron.
Coquette des Alps.	Mad. G. Luizet.	Anna de Diesbach.	Magna Charta.
Ulrich Brunner	Prince C. de Rohan.		

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild	Mad. G. Luizet.	Malmaison.	La France.
Gloire Lyonnaise.	Mrs. John Laing.	Fisher Holmes.	Coquette des Alps.
Marie Bauman.	Prince C. de Rohan.	John Hopper.	Giant of Battles.
Paul Neyron.	Capt. Christy.	Mad. Chas. Wood.	Gen. Washington.
Boule de Neige.	Anna de Diesbach	Perle des Blanches.	Mabel Morrison.
Baron Bonstettin.	Magna Charta	Gen. Jack.	Marshall P. Wilder.
Ulrich Brunner.			

RHODODENDRONS. For Easter forcing. Extra large plants 12 to 20 buds, John Walters, Kate Walters, Mad. Cravalho and Prince C. de Rohan, Each, $1.25. doz., $12.00.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** **84 & 86 RANDOLPH STREET, CHICAGO.**

GREENHOUSES, WESTERN SPRINGS, ILL.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.60 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

...SPECIAL...

ROOTED CUTTINGS.

Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000.

50,oon Verbenas, 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000. Strong, 2-in., $2.00 per 100; $18.00 per 1000; full of Cuttings, elegant stuff.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

Allyssum, strong 2-inch, 2 cents.

Geraniums, sweet-scented, strong 2½-inch 2½ cents; strong 2-inch, 2 cents.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.00 per 100.

Fuchsias, best sorts, $1.50 per 100. Vinca Major, $1.00 per 100,

Smilax, strong, 2½-inch, $1.50 per 100; 2-inch, $1.00 per 100; $8.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1.00 per 100.

Heliotrope, the choicest blue and white, rooted cuttings, $1 00 per 100.

Coleus, choicest varieties, rooted cuttings, 75 cents per 100.

Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

FINE 2-IN. STOCK

	Per 100
Lobelia, trailing blue	$1 50
German Ivy	1.25
Mixed Verbenas	1 50
Double Petunias, mixed	1 50
S A. Nutt Geraniums	2 25
Madame Pollock Geraniums	2.25
Mixed Geraniums	1.75

	Per 100	Per 1000
Golden Bedder & Verschaffeltii Coleus	$1 50	$14 00
Mixed Coleus	1.25	11.50

ROOTED CUTTINGS.	Per 100
Begonia Metallica	$1 50
Ageratum, blue	65
Fischer Carnation	1 00
Lizzie McGowan Carnation	1.25

R. I. HART, P. O. Box 244, Hackettstown, N. J.

October Potted Plants

		Size	Per 100
10000	Chinese Primulas, fine	2¼-in.,	$1.00
40000	Alternantheras, 4 varieties	2¼-in.,	1.50
5000	Feverfew Little Gem	"	1.50
2000	" yellow foliage	"	1.50
10000	Coleus, 15 varieties, fine	"	1.50
10000	Begonias, 15 " "	"	1.50
2000	Forget-Me-Not, winter bloomer	"	1.50
2000	Obconica, extra strong	"	2.00
2000	" " "	3¼-in.,	3.00
2000	Iresines, red.	2¼-in.,	1.50
1000	Mesembryanthemum Erectum	"	1 50
1000	California Moss	"	1.50
	Clara Bedman	"	2.00

5 plants at 100 rates.

CASH. We have only what is in this ad. for sale.

W. H. MURPHEY,
MINOOKA, ILL.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN.

Orders booked for small plants for April delivery, at **$5 per 100; $40 per 1000.**

A few of the larger sizes on hand for immediate delivery.

EDWIN LONSDALE,

P. O. Address for the time being:

Money Order office same as heretofore, **Chestnut Hill** (Sta. H.) **Phila., Pa.** **WYNDMOOR, Montgomery Co., PA.**

Please mention the American Florist when writing.

Boston Florist Letter Co.

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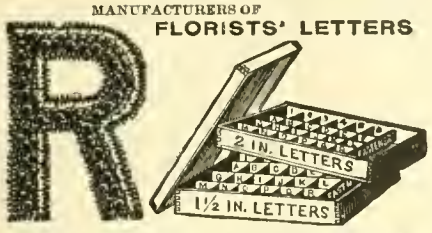
FLORISTS' LETTERS



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 lettere.

Block Letters, 1¼ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

NATURAL PALM LEAVES AND WILD SMILAX.

Palm Leaves, 15 to 25 in.

Get in your orders now for Palm Sunday and Easter.

PALM LEAVES, per thousand, $5
WILD SMILAX, 50 lb crate, $1 25

These prices F. O. B. here, well crated. Cash with order. Palm leaves will be cut same day they are shipped, so as to be fresh. Name time you want shipped.

J. F. POWELL, Melbourne, Fla.

The Philadelphia Wire Works.

HENRY RAJSIK, Proprietor.

Manufacturers of all kinds of

WIRE GOODS For Florists' Use.

ANY FLORAL DESIGN AT SHORT NOTICE.

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PHILADELPHIA, PA.

H. BAYERSDORFER & CO.

Cycas Wreathe, Moss Wreathe, Ferneries and Jardinieres, Wheat Sheevee and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

H. BAYERSDORFER & CO.
50, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

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Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

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Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

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IS PAID FOR CIRCULATED AND READ.

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Importers and Manufacturers of Florists' Supplies.

918 FILBERT STREET, PHILADELPHIA, PA.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N. STEFFENS. AND STEFFENS BROS.

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PREPARED TROPICAL PALMS
—AND—
CYCAS ..LEAVES.

Send for Catalogue

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Washington and Jefferson Aves., ST. LOUIS, MO.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE
150-160 VEDDER ST., - CHICAGO.
TELEPHONE NORTH 953.

ARECA PALM LEAVES

Dried and pressed for Prepared Palm makers. Very best quality; 50,000 ready for shipment, freight or express, at a moment's notice.

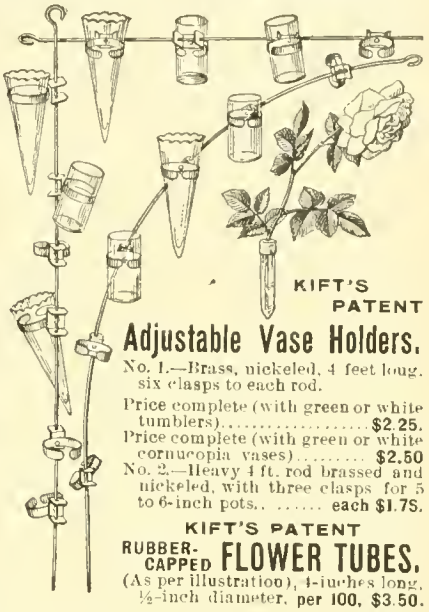
PRICE $15 per 1000. ASSORTED SIZES. Also on hand large quantities of dried and pressed Cycas, Chamadorea, Palmetto, Thrinax, Chamærops and Sabal Leaves at lowest rates.

FLORIDA NATURAL PRODUCTS CO.,
BOX 327. Orlando, Fla.

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT,
SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & CO., 50 West 30th St. New York.
HORTICULTURAL SUPPLIES.



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Adjustable Vase Holders.

No. 1.—Brass, nickeled, 4 feet long, six clasps to each rod.

Price complete (with green or white tumblers)..... $2.25.
Price complete (with green or white cornucopia vases)..... $2.50
No. 2.—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-inch pots..... each $1.75.

KIFT'S PATENT
RUBBER-CAPPED FLOWER TUBES.

(As per illustration), 4-inches long, ½-inch diameter, per 100, $3.50.

Both the above are indispensable to the decorator. In use and highly recommended by the principal retail stores. Send for illustrated circular.

JOSEPH KIFT & SON, Florists,
1725 Chestnut St., PHILADELPHIA, PA.
Please mention the American Florist when writing.

CANE STAKES

50 Thousand 50

Now ready to ship, sizes from 3 to 8 feet. Write for prices, naming lengths wanted

C. S. TAIT, Brunswick, Ga.

1900 Plant Catalogues requested.

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This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A."
Chilwell Nurseries, - Notte, England.

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EUROPEAN TOURS. WABASH R. R.

Write F. A. Palmer, A. G. P. A., 97 Adams St., Chicago, for complete itinerary of Tours to London, Paris Exposition, the Rhine, Switzerland, Venice and Florence, Rome. Reservations must be made early. This is imperative.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. THE AMERICAN FLORIST.

Cincinnati.

TRADE VERY GOOD. — LARGE FUNERAL ORDERS.—THE SHOW AND CLUB MEETING.—LIBERTY AND OTHER GOOD EXHIBITS.—VISITORS AND BOWLING.—OFF FOR BUFFALO.

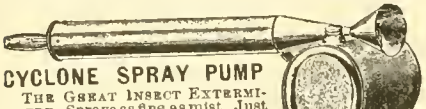
Business has been very good owing to several large weddings and funerals. The obsequies of the late Governor Goebel, of Kentucky, used up all the available flowers on both sides of the river, and it was estimated that $4,000 worth of flowers were required for this occasion.

The monthly show and club meeting of February 10 was held with the rose a special feature. A vase of the much spoken of Liberty from E. G. Asmus, West Hoboken, N. J., was on exhibition and was the center of attraction. The flowers were superb and the color superior to Meteor. Should this rose prove to be a free bloomer, Liberty will be hailed with delight. George & Allan made a special effort in staging their exhibit; their Brides and Bridesmaids were never better. They also captured first on Meteor and Beauty, on Jubilee carnation and on bulbous stock. Stuart & Haugh, Anderson, Ind., showed a vase of Avondale carnation, a sport of Armazindy. The color is a good pink, flowers medium sized, stem very strong and the variety was awarded 81 points. Corbett & Wilson showed a box of Marie Louise violets in pots, which were grand; this old favorite is still holding its own where well grown. Visitors at the meeting were J. A. Evans and Charles Knopf, Richmond, Ind; W. Bertermann, Indianapolis; Jacob Schultz, C. H. Kunzman and Jos. Coenen, Louisville, Ky.; E. H. Giesy, Lockland, O., and Theo. Bock, Hamilton. The meeting was cut short so as to give the boys a chance to try their hands in bowling. Quite a goodly number escorted the visiting brethren to the Highland bowling alleys, Newport, Ky., where all had a royal good time.

The following left here Wednesday evening for Buffalo: R. Witterstaetter, W. Murphy, W. Sunderbruch, E. H. Giesy, J. A. Evans and E. G. Hill, of Richmond.

H. SCHWARZ.

LYNN, MASS.—Frank Dolansky, for several years foreman for E. G. Blaney, at Swampscott, has associated himself with Fred. A. Smith.



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THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen Roosts, etc. All tin, 50c.; all polished copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.

STEVENS & CO., 107 Chambers St., N. Y. City.

MANURE in car lots.

Pulverized, $8 00 per ton.
Natural, $4.00 per ton

IN SACKS OR BARRELS BY THE TON

PULVERIZED, $12.00. NATURAL, $8.00, f. o. b.

E. C. NEWBURY, Mitchell, So. Dak.

BEST AND Cheapest ALL-ROUND INSECTICIDE on the Market.

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

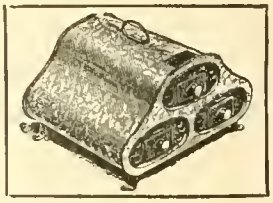
For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

Lehman's Wagon Heaters

will protect plants from freezing in the coldest of weather at the cost of ½c. per hour.

No danger of fire, no gases to injure plants, no odor, no smoke, no dirt.

Over 125,000 in actual use every winter by Florists, etc.



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For Greenhouse Cultivating.

IMPERIAL LIQUID PLANT FOOD

When used upon **CARNATIONS,** growers find that they "have larger and finer flowers, with stiffer stems."

IMPERIAL LIQUID VEGETABLE FERTILIZER.
IMPERIAL LIQUID GRASS FERTILIZER.

THROUGH LEADING SEED HOUSES.

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Chicago Office: 620 Atlantic Ave., Boston.
H. K. SNIDER, Suite 423, 260 Clark St.

"NICOMITE"

(PATENT)

Vapor Insecticide

POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

RED SPIDER, GREEN FLY and all other Insect Pests.

ASK YOUR SEEDSMAN FOR IT.

The Tobacco Warehousing and Trading Co., LOUISVILLE, KY.

RED TOWERS BRAND

BONE MEAL

FOR FLORISTS.

100 lb. bag.....$ 1.75 ½ ton.....$ 14.50
¼ ton.....$7.50 1 ton.....$28.00

F. O. B. Bridgeport, Conn.

—ALSO—

Odorless Lawn Dressing.

Terms, Cash with Order.

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Einzige Special Zeitschrift der Welt fur **BLUMENBINDEREI.**

Probenummern umsonst.

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The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. *All dealers sell it!*

Skabcura Dip Co. St. Louis — Chicago.

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A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

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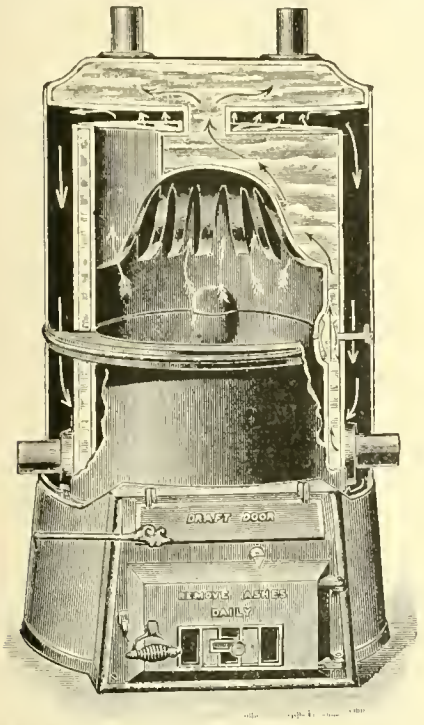

shallow water chambers, the flames and radiant heat from the fire so envelop the water chambers that all the heat is taken up by the water and instant, rapid and continuous circulation is secured.

COMPACTNESS

combined with

GREAT EFFICIENCY

and

REASONABLE COST

is secured in these boilers.

POWER, ECONOMY AND DURABILITY

are all here evident to even an inexperienced judge.

THE UP-TO-DATE FLORIST

can get ahead of his competitors by cutting off expenses and the great waste in the business in the cost of heating.

Write for our NEW CATALOGUE B and PRICES.

GIBLIN & CO., Utica, N. Y.

STANDARD FLOWER POTS

	FIRST QUALITY.		CREAM COLOR.		
1¾ in.,	per 1000..	$2 40	3½ in.,	per 1000,	$ 4 95
2 in.,	" ..	2 75	4 in.,	"	6 20
2½ in.,	" ..	3 35	5 in.,	"	10 80
3 in.,	" ..	4 70	6 in.,	"	16 50

Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

Please mention the American Florist when writing.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C.

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GEO. KELLER & SON,

MANUFACTURERS OF

Flower Pots.

Before buying write for prices.

361-363 Herndon Street near Wrightwood Ave.,

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Standard Pots

Made by **KELLER BROS.**

Good Railroad Facilities For shipping. Special Attention Given to Mail Orders, and Special Sizes Made to Order.

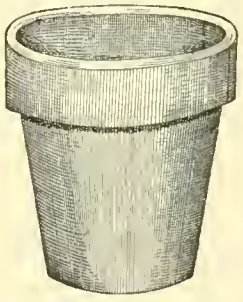
NORRISTOWN, PA.

Price Lists Furnished on Application.

American Florist Advts.

Reach all the Trade.

◎◎◎ RED POTS



FOR THE MILLION.

Sample Pot with Price Mailed Free.

FRESH TOBACCO STEMS, one cent per pound,

Put up in bales of two to three hundred pounds.

G. G. POLLWORTH CO.,

FLORISTS' SUPPLIES.

Milwaukee, Wis.

STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2-in. pots in crate,	$4.88	120	7-in. pots in crate,	$4.20
1500	2¼ " "	5.25	60	8 " "	3.00
1500	2½ " "	6.00	48	9 " "	3.60
1000	3 " "	5 00	48	10 " "	4.80
800	3½ " "	5.80	24	11 " "	3.60
500	4 " "	4.50	24	12 " "	4.80
320	5 " "	4 51	12	14 " "	4.80
144	6 " "	3.16	6	16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

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OR.... FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, New York Agents

52 DEY STREET, NEW YORK CITY.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y,

HARRY BALSLEY, Rep. DETROIT, MICH., 490 HOWARD ST.

A good adv. in a good paper will bring good returns.

There are buyers for all kinds of stock advertised in the American Florist.

Pleasant Hill, Mo.

PROSPERITY ATTENDS MR. KELLOGG.—PLANS FOR NEW GREENHOUSES.—BUSINESS DOUBLES IN FOUR YEARS.—GOOD STOCK IN ALL LINES.—AN OPERA HOUSE.

Business is prospering with George M. Kellogg and plans are on foot for an immediate extension of the range of glass by five houses 30x250 feet. The houses now in operation cover about four and one-half acres, there being something like 140,000 square feet of glass, by far the greatest expanse in this territory, and the contemplated addition will bring the total close to the 200,000-mark.

It was in 1885 that Mr. Kellogg embarked in the florist business, growing a general line of stock; now his efforts are principally directed to the production of cut flowers. For the past few years his trade has been developing rapidly, more than doubling in the past four years and increasing many thousands of dollars with the establishment of his wholesale and retail store at Kansas City. Mr. Kellogg grows pretty nearly everything in his line, from American Beauty roses to violets, sweet peas and mushrooms, the mushroom cellar with its 2700 square feet of beds being one of the most profitable specialties on the place. The stock produced is as good as can be grown, whether it be roses, carnations, chrysanthemums, greens or bulbous flowers, and every attention is given to each item on the list.

The establishment regularly employs from thirty-five to fifty people and most of them have been there many years. His heating apparatus consists of a battery of eight boilers of a combined capacity of 325 horse-power and there are over forty miles of steam piping in the houses.

Mr. Kellogg is a wide awake, progressive man, a participant in many activities outside his own greenhouses, among them the S. A. F. His home is surrounded by 100 acres of as good land as there is in Missouri, and he has recently consummated certain promising investments in Porto Rico. One of Mr. Kellogg's latest works is the erection of an opera house in Pleasant Hill, which will be opened on April 15 with Easter services, and in which he showed his appreciation of the value of advertising by causing the second drop curtain to present a view of his greenhouses. The new structure will cost $15,000, according to the architect's plans.

TITUSVILLE, PA.—John Schearer, landscape gardener, shot his wife and himself on February 2.

MUSCATINE, IA.—August Smith has purchased eight acres of land of the Muscatine Fair Association and proposes to enlarge his range of glass in the spring.

BALDWINSVILLE, MASS.—John H. Putnam, who is an all-around athlete, has decided to give up base ball and other work which interferes with the management of his florist business, and will hereafter give only about six weeks of the fall to coaching some foot ball team. Last fall he coached the eleven of the Technical Institute at Worcester and did it well.

FLOWER POTS
ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
SWAHN'S POTTERY MF'G CO.,
P. O. Box 78, Minneapolis, Minn.

...PIPE...

We carry at all times a complete stock of all sizes of second-hand pipe in first class condition, repainted, rethreaded and complete with couplings. Our prices will interest you.

We have been selling to Florists generally for years,

BOILER TUBES OR FLUES

Of a second-hand nature, for hot water heating, and for general purposes. It is all in nice condition and practical for further use. Note our prices:

2 inch	6 cts. per ft.
3 inch	8 cts. per ft
4 inch	12 cts. per ft.

Write for our catalogue No. 47, quoting low prices on SASH, ROOFING GLASS, BRAND NEW GARDEN HOSE, and supplies in general bought by us at SHERIFFS' AND RECEIVERS' SALES.

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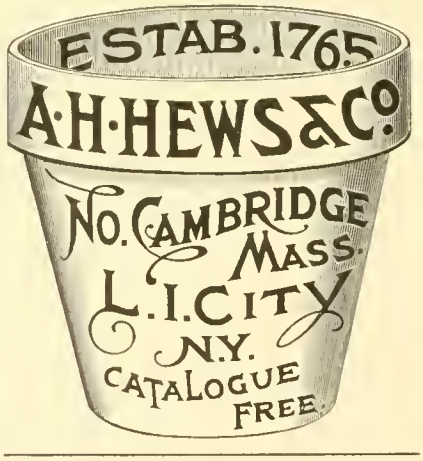
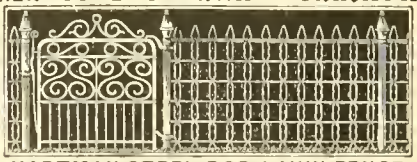
West 35th and Iron Sts. CHICAGO, ILL.

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.
GREENHOUSE GLASS
OUR SPECIALTY.
LARGE STOCK PROMPT SHIPMENT.
ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.
WRITE FOR LATEST PRICES.



Makes The Lawn Beautiful.



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adds to the attractiveness and value of the home. Strong and durable; keeps out everything but the sunshine. Unequaled for School Lawns, Church Enclosures, Parks, Cemeteries, Private Lots, etc. Catalogue free.
HARTMAN M'F'G CO., BOX 86 ELLWOOD CITY, PA.
Or Room 16, 309 Broadway, New York City.

ADAM SCHILLO
DEALER IN ALL KINDS OF Lumber and Posts
ESPECIALLY FOR
GREENHOUSES....
Having had an extensive experience in the line of Lumber and Posts needed for greenhouse work, I am prepared to meet all inquiries. Send for prices.
Cor. Weed and Hawthorne Ave.,
CHICAGO, ILL.
References given from the leading Florists of Cook County.

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For Catalogue Purposes.
WE have a large assortment of strictly high class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock
Price for cash only 15 cents per square inch.
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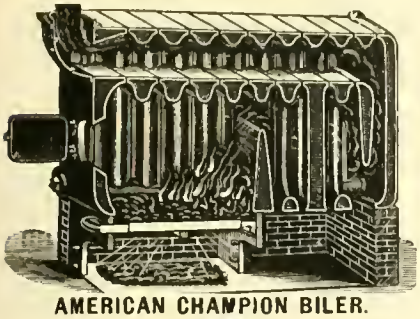
.....324 Dearborn St., CHICAGO.



AMERICAN CHAMPION BILER.

Best and Cheapest on Arth.

THIS IZ MI PICTER.

THE EVERLASTIN HINGE.

MISTER EDITUR:

I rite to let u no i hev ben to Nu York sinct i rit u las time an u Kin bet ur Koller buttins i hed more fun n a wagin lode a munkeys. The N. Y. Florist Klub guv me an a lot uv uther fellers a super whitch tha kalled a "Blankit" ur sumthin like that, any how i no i laid under a Blankit ni al the nex da.

Them N. York chaps no how to use a feller (up) fer sure. Tha guv me sum cidur what bubled up in the glas al the time like it wuz Bilin. It tasted in yur mouth like yer fut waz a sleep, an hed a wa uv gettin in to yer noze like Hoss redish. But it wuz mity good an i drunk it as long as i cud se where the bottil wuz. I don't no how i got tew bed but i dew no i hed to take a shu horn to git mi hat on nex da. I spent so mutch munney in N. Y. ile hev to sell a lot uv mi Kole savin Bilers, and Never Rust Hinges, and Nu Departur Ventilatin contrapshins to git even agin, an ide like to make a rase soon, a fore Semantha Jane finds out about mi getin stroped, so tel al the Florists tew send me their names, an ile send em mi Kat-a-log.

Mi name iz J. D. CARMODY, an i liv in EVANSVILLE, INDIANA, klose tu Posey Kounty.

THE AMERICAN FLORIST COMPANY'S

TRADE DIRECTORY

FOR 1900

IS NOW READY FOR DELIVERY.

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NEW FEATURES:

GARDENERS OR SUPERINTENDENTS OF PRIVATE ESTATES,
EXPERIMENT STATION HORTICULTURISTS,
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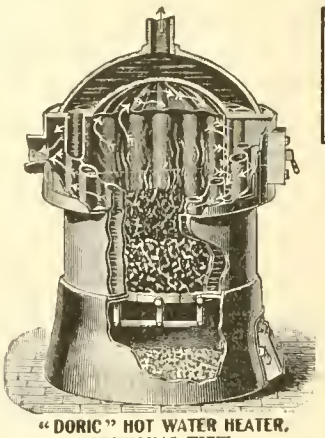

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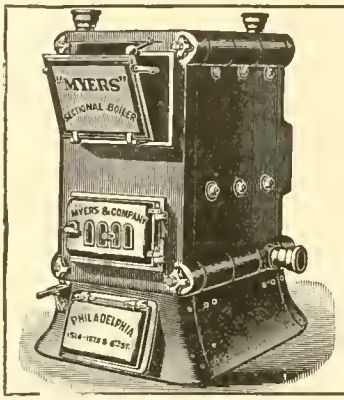

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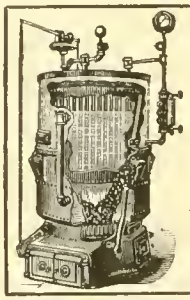

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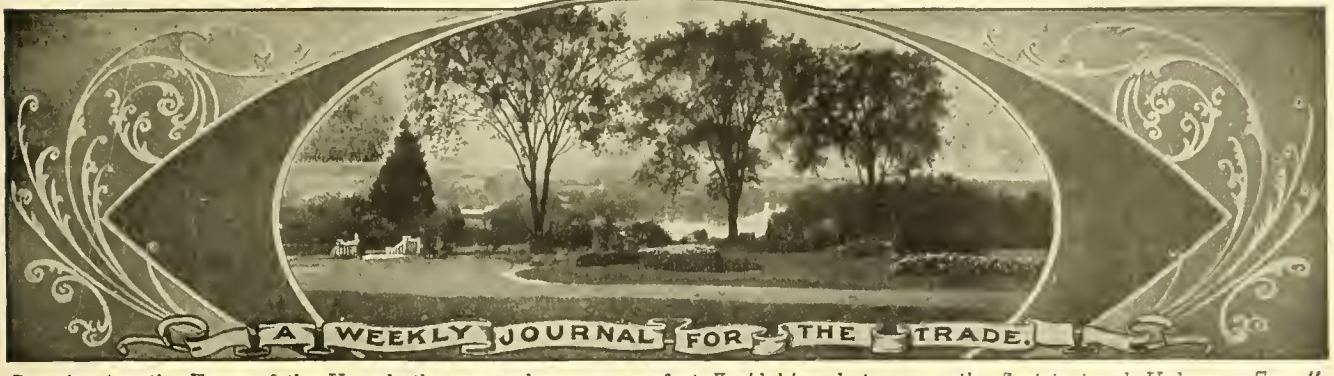

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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THE CARNATION MEETING.

Complicating the Judging.

It would seem that the extreme of "paternalism" had been reached in the proposition made at the Buffalo carnation meeting that the judging of new varieties be further complicated by putting the flowers through the test of shipping to committees at various remote points for the purpose of ascertaining their keeping qualities and by providing for visiting delegates to note and report on the blooming qualities of new sorts to determine and publish their exact commercial value.

ROBERT HALLIDAY.
President of the American Carnation Society.

Despite a few lucky strikes, we should remember that the hybridizers' art is no gold mine. Were it not for their devotion to the science itself our hybridizers would hardly find sufficient remuneration to induce them to continue in the uncertain business of raising and introducing new varieties. Their work is, to a great extent, a labor of love and their readiness to accept the judgment of their fellows by submitting their productions for exhibition and critical comparison at every reasonable opportunity should be a sufficient guarantee to buyers that the introducers are not lying awake nights planning how to mislead them, but have an equal interest in disseminating only things that will bring to them confidence and honor. The grower whose timidity, distrust or parsimony is such that he shrinks from risking the investment of a few dollars in new introductions which have successfully passed through the ordeal of repeated public exhibition and the search-light of the ever-alert trade press is not likely to dazzle the floricultural world with his enterprise or business success.

So, even if the proposition were practical, which it is not, we cannot see that there is any cause for seeking to burden dealers and encumber a useful society with a scheme to ensure carnation growers against possible loss through buying new things from their brother florists. But we all know that soil, weather and methods of culture have everything to do with the substance of a flower and that its lasting qualities are further very largely dependent upon time and manner of cutting and subsequent handling and exposure. Consequently it is difficult to see how any conclusions could be reached by the proposed plan that would have any direct value.

As one member remarked when the proposition was up for discussion at Buffalo, "If the growers would give less attention to judging and more to growing it would be greatly to their advantage."

Jottings of the Convention.

Hastily written manuscript caused us to say "Eugenie" where "Enquirer" was intended in last week's report of the prizes awarded in the sweepstake competition and in the notice of seedlings certificated and necessitates an humble apology. Enquirer proved to be a great keeper.

Another wonderful keeper, as indicated by the way it showed up at the banquet on Friday evening, was H. A. Molatsch's red seedling. It only fell two points short of taking a certificate. It might have won out had the judges foreseen how wide awake it could keep.

C. W. Ward's Morning Glory was much admired. He also showed a fine collection of novelties and seedlings. Gomez and Maceo were fine. Morning Glory and a lot of dashing seedlings were also staged by F. Dorner & Sons.

Mention of the award of first prize to Weber's vase of fifty Mayor Pingree was unintentionally omitted. The proportion

of yellows in the exhibition was exceedingly slim, they being almost as scarce as were the ladies at the sessions of the society.

The Canadians had some good things on view. Miller, of Bracondale, had a gem in Lady Van Horne, a very delicate pink, and Dunlop had some promising seedlings. Harry Dale also contributed.

J. N. May's Olympia showed up grandly and was one of the best keepers. It was also shown by E G. Hill. Witterstaetter's Opal was lovely and Marquisee's Syracuse, a good flower of Scott color, looked promising.

Weber & Sons had a batch of grand seedlings and showed Genevieve Lord in excellent shape. Irene, in Crabb & Hunter's collection, was much admired. John A. Macrae sent, from Providence, a white and pink sport of Eldorado.

Craig & Son's vase of Ethel Crocker caught many orders for them and their America only lost a first prize by being short in count. Mrs. Lawson loomed up grandly and Peter Fisher was eagerly questioned as to his next sensation.

The seedlings from the Chicago Carnation Company were up in the advanced classes, with brilliant prospects. E. G. Hill's Mary Hill was also a good one. W. J. Palmer & Son showed a nice lot of standard sorts.

No flower received greater compliments than The Marquis. The crowd constantly around it showed how it impressed the public.

Violets were shown in good quality by C. Cummings, Wm. Fendley, C. Merkel & Sons and Eli Cross.

Kilt's flower vases and holders and Garland's greenhouse gutters were on exhibition.

Chas. Keitsch is an ideal exhibition manager.

Notes of the Banquet.

Ward was so filled with enthusiasm that he mounted a chair and declared he was having the most cosmopolitan good time he ever had in his life. Between Scott, Aphis Punk, angel food and other ingredients he had all the fun he could take care of. He paid a fervent compliment to Governor Roosevelt and asserted that a man who could stand so well the naming of so good a carnation after him is no ordinary man.

Rudd tackled the problem of comparative standards and ideal standards and tried to tell how it is possible to score 100 points any time without half trying. He declared it to be money in pocket and education for a man to attend such gatherings as this and learn the sentiments of the trade and see what others are doing, and was warmly congratulated by his friend Bassett when he sat down.

May, speaking for the S. A. F., said that the mother society was proud of her good-looking offspring. He praised the exhibition, the Buffalo brethren and the management and promised a great future for the carnation.

Hill told Indiana stories in his inimitable way, was very witty in his local allusions, quoted Byron and managed to get in a sympathetic word for England, which set the Canadians and Fancourt to dancing.

Dailledouze said he was no orator but bashfully admitted he was proud of the gold medal, and the reception accorded him shows that his hearers thought it well won.

Scott's appeal for quiet and courtesy during the speechmaking was approved and applauded.

The ringing harmonies of the "Brave Old Duke of York" were sadly missed on this occasion.

Youthful Miller, of Canada, looked very much at home, draped in the stars and stripes.

The quartette was all right and the Irish countess carried everything before her.

Plenty of talent within the lines with such singers as Dumont and Hartshorne.

Marquisee is a master of earnestness, eloquence, patriotism and wit.

Gammage wants the carnation society to go to Canada in 1902.

Witterstaetter thought it was easier to win medals than to make a speech.

Scott got in an early word for the S. A. F. convention for Buffalo in 1901.

Thompson, it was hinted, has another carnation boom up his sleeve.

WM. WEBER.

Vice-President of the American Carnation Society.

Maryland had a good representative in Wm. Weber.

President Craig's response was dignified and hopeful.

Kasting knows how to make people enjoy themselves.

"Wit and gastronomy" was a howling success.

So was Fancourt's "Absent Minded Beggar."

"Auld Lang Syne" as usual.

Come to Baltimore.

Robert Halliday.

The new president of the American Carnation Society could not well fail of the attainment of a leading place in the floricultural world. His grandfather was the first florist in Baltimore, having established his business in 1837, and his father was a leading figure in the trade during the many years he carried on the business. On his mother's side, John Dick occupied the same position at Philadelphia that the paternal grandparent did at Baltimore, having embarked in the trade in 1838. Robert Halliday was born in 1865 and, after receiving a liberal education, he took a position in the establishment founded thirty-three years before his birth, and in which he remained until 1889, when he and John D. Halliday formed the firm of Halliday Bros. At the very beginning the young men assumed a leading place in the business of the city, John D. Halliday conducting the store and Robert managing the greenhouses. From the outset carnations have been given special attention and few have been able to equal the quality of the Halliday stock. Flora Hill is grown by them to perfection and their new red, Mack Richmond, surpasses everything in its class which they have tried, and all the new sorts are tested by them. Since Mrs. M. J. Thomas, an aunt of the Halliday Bros., retired from business, the management of her store at 329 N. Charles street has devolved upon Mr. Halliday. He is a man of fine physique, genial, energetic and interested. The American Carnation Society will not suffer under his guidance. MACK.

Wm. Weber.

William Weber was born near Mount Savage, Maryland, November 5, 1869. He grew up on the farm and from his earliest days he evinced a love for flowers. Later, when he had his own little garden, he eagerly took all plants given him to raise, as well as all those he could get his hands on when the foreman was not in sight. But he proved an obstinate pupil in the greenhouse, and many were the trials of the foreman who was charged with the difficult task of teaching him the duties of a capable florist. When he was thirteen years of age his parents removed to Oakland, where a couple of years later he was given a greenhouse 12x60 feet, and the real work of developing into a florist was begun. Houses were added from time to time; gradually the carnation became uppermost in his mind and he is now giving more attention to this plant than to any other, although the establishment of about 65,000 square feet is devoted to general stock. Upon attaining his majority he was admitted to partnership in the firm of H. Weber & Sons, and has direct charge of the greenhouse department. He is a member of the American Carnation Society, Society of American Florists, Gardeners' Club of Baltimore, and the newly organized American Rose Society.

Carnation Enquirer.

This pink variety was obtained by Richard Witterstaetter from a seedling of the same parentage as Evelina (Adelaide Kreskin crossed with a white seedling obtained by crossing Silver Spray and Tidal Wave) but different in habit and of Daybreak color. As it bloomed late in the season, this seedling was not disseminated, but it was crossed with the pollen of Emma Wocher, the result being eight seeds and Enquirer. In the sweepstake competition at Buffalo Enquirer was awarded second prize, Dailledouze Bros. taking first with Mrs. Bradt. Enquirer also received a certificate at Buffalo, scoring 88 points At the carnation exhibition of the Chicago Florists' Club, January 18, the judges awarded it 100 points. The judges of the Cincinnati Florists' Society, at the carnation exhibition in that city, December 9, 1899, made the score 92¾ points and awarded it the McLean gold medal.

HOOSICK FALLS, N. Y.—The rose house and graperies of Walter A. Wood were burned February 15 while the water supply was cut off by an overflow of the Hoosick river. The loss was covered by insurance.

GENERAL VIEW OF CARNATION EXHIBITION AT BUFFALO, FEBRUARY 15-16, 1900.

More About the Enquirer Controversy.

ED. AM. FLORIST:—If you will permit me to occupy a little of your space, the end of the Enquirer controversy is not yet; I think I am expected to respond to Mr. Rudd and Mr. Benthey. The former gentleman inquires as to my course of action in case a true blue carnation of the style of Scott were to come before me as a judge. Well, that will never be, if Mathews is right in describing his colors. He tells us that when nature was painting her flowers she had no true blue on her palette. But in case Mr. Mathews was wrong in claiming it, I certainly would give the carnation a goodly number of points for color and in all other respects I would turn it down, even in the face of committing a crime, for I should have to go by the letter of our scale; I could not take into consideration the rarity of the color, disregarding all the other points in the make-up of what I call a perfect carnation. Does our score say that judges shall compare a pink with a pink except as to color? It simply says "carnation." Mr. Rudd takes offense at the use of the word perfection. For what purpose did the framers of our scale make the total points equal 100? Was that not intended to represent perfection? If it does not represent perfection, what, please, does it represent? I agree with Mr. Rudd that perfection never did and never will exist in a flower, and I, for one, will never give a candidate the required 100 points to come up to that.

Now to Mr. Benthey's case, I wish to say that there is no ill-feeling on my side of this discussion and I hope that the Chicago gentleman has taken up the matter in the same spirit. Mr. Mathews gave us a color chart on which he placed true pink and if pure pink is not better than any other shade of pink, then Mr. Benthey's point is well taken. Size is given as one of the points for judges to consider, and I take it that the larger the carnation the more points it should score. If Mr. Benthey gives Enquirer twenty points for size, what would he do with No. 666? I know that we are to consider only that which is before us; we may some day get ten-inch flowers but there will be ample time for revising the scale before that. Mr. Benthey asks me what I want in a calyx. Why, I want a calyx which breaks evenly, to permit the petals to expand. If one of the breaks is deeper than the others it is a fault, and the next thing to a split flower. We certainly want a rigid stem to carry the flower erect. The same rule holds good in roses and chrysanthemums. As to form, I consider the best the perfect hemisphere. A flower which is irregular or too flat ought not to be considered first-class in form. It is the unnecessary break in the calyx which causes the irregularity. Petalage ought to be regular, set evenly and as closely as good form will permit. The texture should be heavy and the petals should be without crinkle or curl. The more pronounced the fragrance, the better. Enquirer is only slightly fragrant; we have many which are superior. Is it not rightly claimed that our new sorts are losing ground in respect to fragrance?

W. W. Coles' remarks in your last issue were rather a bouquet for me and I thank him for it. In closing I wish to call attention to the fact that my judgment of Enquirer at Cincinnati varied only one point from the score of the judges at Buffalo, where the judges were three ex-presidents of the S. A. F. This I think is a pretty good showing for the country judge as compared with these supreme court judges of carnations.

THEO. BOCK.

What Has the Twentieth Century in Store for the Queen of Flowers?

[*Read before the Florists' Club of Philadelphia, Tuesday, February 6, 1900, by John N. May.*]

Such was the heading of a paper I was notified by your secretary to prepare for this evening. I cannot but think the title an absurdity and none but a canny Scotchman, who doubtless has been sitting on a specimen of his national emblem very shortly before suggesting such an heading, or possibly a broken case of Delaware product used so extensively for Christmas decoration, which made the pain all the more sharp, it not being sold as it should have been; in either case, he must have thought that misery loves company, and so would try to inflict some of the pains he felt on me. The absurdity is all the more potent from the fact that no florist of to-day has any time to study astronomy to find out what the future has in store for himself or his competitors; possibly, it may have been intended as a joke, but I confess I am too dull of comprehension to see where it comes in. But no matter what

caused the inception of such a conundrum by the party in question, it would be only fair to ask him to solve it, or at least give some explanation why he presumed to think any one less gifted than himself in looking into the mysteries of the future could answer such a question with any grain of reasonable honesty toward the members of this association.

Last summer, some of the wiseacres in our business predicted that as general business throughout the country was booming, the florist business would feel the general benefit thereof; said would-be prophets close their mouths as tight as a clam when questioned why their prognostications have not been fulfilled, and if I attempted to foretell anything for the floral queen, I undoubtedly would be posted throughout this broad country as an impostor; gentlemen, I am not ambitious to get any such complimentary title either now or in the future.

Had the question been reversed, and I had been asked to review what the nineteenth century had stored up for the florist in floral gems which have been sadly neglected, I might have taxed my memory for a few really good things which have never been given the attention by the florist that their merits deserve, and which if treated as they deserve would command the admiration of every lover of the beautiful creations of nature; but I am supposed to talk on the subject of the queen of flowers. As I understand this, and I think everyone present understands it in the same meaning, namely, the queen of flowers refers to the rose. S. Reynolds Hole, that inimitable writer, describes the queen of flowers as no other has ever done; he says we have nothing in the whole range of floriculture so completely charming, as a rosary in the time of roses. "A grower of most flowers and a lover of all, I know of none which can compare with the rose for color, form and fragrance, jointly, whether en masse or in single blooms;" again, he says: "Enter the rose garden when the first sunshine sparkles in the dew, and enjoy with thankful happiness one of the loveliest scenes of the earth. What a diversity, and yet what harmony of color; there are white roses, striped roses, blush roses, pink roses, rose roses, carmine roses, crimson roses, scarlet roses, vermillion roses, maroon roses, purple roses, roses almost black and roses of glowing gold. What diversity—and yet what harmony in outline; roses in size no bigger than an agate stone on the forefinger of an alderman, and roses four inches across."

And so it must be roses I am to talk about to-night; not of the past or present, but of the future, so designed by our worthy knight of the thistle. Well, we have three or four varieties now being rather extensively cultivated by the growers of cut flowers for commercial purposes throughout the country, to the exclusion of nearly every other variety, no matter how good and beautiful it be. In the future we may have to boil these down and grow still fewer varieties, yet, mind, I do not assert that we shall, and possibly as a better knowledge of the merits of others becomes more general among the flower buyers, we may have to increase the number by one or two varieties. Personally, I think it would be a step toward advancement if we could multiply the present varieties by at least ten; then flower buyers and flower lovers would have a chance to choose something more diversified in color, form and artistic beauty than they have ever seen up to the present time. Unfortunately, size seems to be the main object sought for now; this is very unfortunate, as it excludes so many of the real gems of the rose family. No one would like to be confined to beef for breakfast, mutton for dinner and pork for supper, without any change, for three hundred and sixty-five days in the year, and the same diet for the next year; no matter how good the beef, mutton and pork may be, they will soon begin to think a change would be more agreeable—something more in variety will be greatly appreciated. So it will be in flowers; the same everlasting red, white and pink may be and are undoubtedly very handsome, but there are those who will appreciate some other tints, variety in size, form, fragrance, etc. Why should their wishes not be gratified? It certainly will be greatly to the florist's benefit whether he be grower, dealer or retailer, to cater

CARNATION ENQUIRER.

to the public taste at large, yes, and to elevate that taste by the introduction of a much greater variety. Very many of the most charmingly beautiful roses are comparatively small buds, such as Ma Capucine, Mme. Falcot, Safrano, La Sylphide, Isabella Sprunt, Bon Silene and dozens of others, perfect gems in form, color and fragrance. All these and hosts of others are at command, ready for the twentieth century, and there will undoubtedly be many new ones not yet introduced, which will be placed before the public for popular endorsement.

Our home productions in this line in the past have been somewhat limited, though we have some sterling varieties of American origin which have not met with the endorsement their merits deserve. From present indications, we should soon see some extra choice seedlings, distinct and beautiful things, which are now being produced by careful and expert hybridizers. All hail to these children—may they become illustrious citizens, winning fame and glory in every civilized country.

But we are not yet quite out of the nineteenth century, and ere we bid goodbye to it, the queen of flowers will have made its first debut in this country on its own responsibility as an independent factor for public patronage and support under the title of the American Rose Society. It will give its first exhibition on March 27, 28 and 29 at the Eden Musee, New York, when her majesty will hold a goodly court where a very large number of her courtiers will attend this, her first levee, arrayed as befitting the occasion in all their most gorgeous uniforms.

Her majesty will give a second reception in June next, which is the month of roses. At this levee all her subjects, from those dwelling in glass houses to the humble occupants of a few feet of common garden soil and exposed to all the changes and vicissitudes of the elements without even the friendly shelter of a thistle, will be received with all due courtesies. Those from the humble cottage garden will be on equal footing with those coming from the richest homes. Her majesty is no respector of persons but welcomes all with queenly dignity and all are invited to come.

Thus the long delayed inauguration of crowning Queen Rosa is to be a fitting closing of the nineteenth century. We, who have long paid court at her feet, trust the beginning of the twentieth century will see the American Rose Society placed on such a firm foundation that it will be second to none in the world. With our thousands of florists, whom the rose has done more for in their business than any other flower ever can, the society certainly ought not to lack patronage; from our tens of thousands of amateurs, who will grow and love the rose for the rose's sake, we shall certainly get an army of supporters.

This I consider the grandest thing the twentieth century has in store for the queen of flowers. The liberal support of it will do more to advance the florists' interests than we can possibly imagine at this time, and this is not prophesying anything either. If it can be done in England, and it has been, it certainly can be accomplished in America, with all its wealth and daily growing taste for the beautiful creations of nature. Only show the people how to grow roses in their gardens, and tens of thousands of them are ready to plant them, who are only deterred now because they do not know how to treat them. Look at the villa homes, the cottage homes—yes, and the grounds of the wealthy throughout this entire continent, and how few of them cultivate the rose (or hardly any other flowers for that matter), except the very commonest; compare this with the homes in any European country and the difference will be all the more apparent.

I think you will all agree with me that the American Carnation Society has done more for the advancement of the carnation during its existence than a whole century had done for it previously. Why should not the queen of flowers be equally advanced if well supported? Yes, and to a much greater degree as the field for the rose is of very much wider scope than that of the carnation. The last three decades of the present century have seen immense improvement in the varieties of roses; that the improvement will continue, there is, I think, not a shadow of doubt. Hence we may hope in the near future to see Queen Rosa in greater glory than ever before.

So let us say "Welcome to the Twentieth Century for the "Queen of Flowers."

BRISTOL, R. I.—R. H. Dunbar has purchased of William Hodgkins the entire property of the Bristol Rose Houses and will conduct the business hereafter.

Who's to Blame?

The American Rose Society has its work cut out for it. According to the experts, the society is their only hope if the rose is to be pulled out of the slough of despond into which it has sunk in this last year of the nineteenth century. They all admit that the list of roses may now be counted on the digits of one hand. American Beauty, Bride, Bridesmaid and Meteor! And who's to blame? Jno. N. May says the dealer is to blame; the fewer varieties he has to keep on hand the better he likes it; and when a customer asks for something different from the eternal, everlasting four he swears the grower cannot or will not produce anything different. Wherein he (the dealer) departs from the eternal truth, says Mr. May, and commits a crime of damnable dimensions, stopping the natural tendency of the public toward newer and better things and nullifying all disinterested efforts of the poor grower to give the public someting better.

Mr. Cartledge, one of the mildest and most diffident of the retailers, is so stung with this aspersion that he does an unheard of thing—gets up on his hind legs in open meeting and hurls the slander back with scorn. It takes a good deal to bring Mr. Cartledge to his feet. The world do move, that's certain. He says it's all the growers' fault. If they could get good Perles they could sell them. They got Watteville last fall, fine stuff at first, and they sold all they could get. Then these came down to little nubbins, and who could use such stock? Then there were other varieties, but how long did they last? And one could not take an order for them as there was no certainty of being able to procure. It's easy for the grower to lay all the blame for our miserable list of four roses on the retailer—let them bring in other good varieties in quantity and give some assurance of a regular supply and there would be no trouble in extending the list.

These two gentlemen are a fair sample of the attitude of the two branches of the trade, the grower and the retailer, towards each other when the question is asked, Who's to blame? They each know how the other ought to conduct his business and, by gum, if there's no amendment pretty soon they are going to start in and show each other how to do it. Ha! Ha! Will they? Not much! A man is a grower or a retailer because he can do one of them best. It's the survival of the fittest and as certain as the law of gravitation. This attitude reminds me very much of our way of conducting the war. Every fireside has a general these days who knows better than anybody else just how to conduct the campaign, how many guns are needed and how and where to place them, where to put the cavalry, and the proper place to make entrenchments, when to give battle and when to lie still. It makes no difference that the generals who do conduct the campaign on the field have the advantage of being on the spot and having made a life study of their profession—that counts for nothing in the minds of the fireside generals who conduct things from the safe vantage ground of their own ingle nooks.

However, there's one advantage gained by this discussion. It has helped to clear the atmosphere of some chaotic ideas and clearly indicates that there's nothing to be gained by blaming one another for sins of omission or commission. It's a case of pulling together and being broad minded enough to look into the future a bit. A new thing may not pay you quite as well at first but the chances are it will amply make up for that by and by. And that policy is bound in the long run to raise the standard of the business in every way and co-incidently accomplish the education of the public, which, Jno. Burton says, we are not doing now and are big frauds for accepting compliments from mayors and governors when they praise us at conventions for our noble efforts in spreading a love of the beautiful among the people.

One of the first steps is to keep ourselves abreast of the times on the best new and old roses of the present day, else how are we to be able to know what to grow or how to tell our customers about them? We have just inaugurated a society for the very purpose of enabling us to keep in touch. How many of you have joined it? Can it be as useful to you with fifty as with 500 or 5000 members? It seems to me, dear reader, that "it's up to you" and you're the fellow I've been after in this little sermon. It's the fellow who don't care that's the great clog on the wheels of advancement. Send your name to-day to Leonard Barrou, 136 Liberty street, New York city. The day will come when you will rise up and call me blessed for having asked you to do it. G. C. WATSON.

Philadelphia.

ROSES.

TOBACCO STEMS IN BENCHES.

ED. AM. FLORIST:—I have a bench of roses on a number of which the leaves are turning yellow. In filling the bench with soil I placed some tobacco stems at the bottom. Would these affect the plants? C. A. J.

The correspondent should examine the roots of his roses; if they have turned black in the immediate vicinity of the tobacco stems it will prove clearly that

DAILLEDOUZE BROS'. CARNATION No. 666.

This variety, shown in large vase, was awarded the Lawson gold medal at the Buffalo Carnation exhibition, February 15-16, 1900.

the trouble comes from that source; tobacco stems have never proved very congenial food for roses, either above or below the roots. But there may be another cause for the yellow foliage, namely, eel worm; if on examination he finds a number of small lumps on the roots, he can be certain that these pests are largely to blame. In either case a good soaking of clear lime water will help to correct the trouble. Take about one peck of fresh lime, slake it in a barrel, then add about fifty gallons of water, stir it well and allow it to stand till clear; let the soil in the benches be a little on the dry side, then give a good soaking all over; repeat in fourteen days; if there is no improvement in the foliage in thirty days, repeat the dose; it usually takes three doses to benefit them materially.

JOHN N. MAY.

MAID OF HONOR ROSE.

ED. AM. FLORIST:—We notice that "Ohioan" complains that Maid of Honor rose behaves badly with him, something like Waban. It behaves the same with us, although we grow it as the Hoflmeister Co. directs. Bridesmaid and Golden Gate produce good flowers in the same house. We saw it in Cincinnati and it was all right there. We do not think it was over propagated. What has been the experience of other growers?

Nashville, Tenn. JOY & SON.

ROSE SOCIETY DUES.

ED. AM. FLORIST:— Having received many inquiries from your subscribers as to dues, etc, of the American Rose Society, brought forth by my appeal to growers, it would confer a favor upon me and I think do the cause much good if you would publish the following information in your next issue. The dues are: Life membership, $50, in one payment; active membership, $3 per year; associate membership, $1 per year.

All that is necessary to become a member is to remit dues to Jno. N. May, treasurer, Summit, Union Co., N. J., or to Leonard Barron, secretary, 136 Liberty street, New York. The latter will be only too glad to send the constitution and by-laws to any one asking for same. Who will help us to keep the ball rolling?

BENJAMIN DORRANCE.

Cyclamen Culture.

The accompanying illustrations show some cyclamens grown by Richard Rothe, gardener to Clay Kemble, Glenside, Pa., as they appeared last Christmas. The seed was sown in September 1898, and after the seedlings had been pricked off into shallow pans, where they remained until March, 1899, they were planted in two and a half inch pots. Kept at a night temperature of 50° and in day time well exposed to light and air, they were sturdy plants when placed in a low frame outside in May. The sashes were shaded and raised about one foot above the tops of the plants, allowing air free access on all sides. During the summer months the plants received frequent spraying with a fine nozzled syringe on bright days to keep off red spider and thrips and help along the development of the foliage. All buds appearing before the first of September were pinched out and shifting was necessary three times until, about the first of October, most of the plants stood in eight-inch pots. Cyclamens when housed in good condition about the middle of October need little or no forcing in order to have them at their best during the Christmas holidays.

According to the last reports of the Christmas trade from all sections of the country there is abundant evidence of a steady increase in the demand for flowering plants. It may therefore be of interest to some readers of the AMERICAN FLORIST to know about the comparatively easy culture of this popular plant, as practiced by Mr. Rothe. To the private gardener as well as the commercial florist well grown cyclamens constitute a most useful factor in brightening up the greenhouses during the winter months and they are practically indispensable for indoor decoration.

LIGHT PINK CYCLAMEN GROWN BY R. ROTHE, GLENSIDE, PA.

WITH THE GROWERS.

AT LANCASTER, PA.

H. D. Rohrer takes prizes for his carnations at shows in Philadelphia and other big cities and grows the kind of stock he exhibits. Mrs. Bradt appears to respond especially to his generous treatment. The inclination of this variety to sport is very marked. He is propagating from the second generation of the sport and finds only a few inclined to revert. The sport is, as with other growers, a large red flower and no doubt it has come to stay.

As is generally known, Mr. Rohrer is a wholesale grower of long and profitable experience which would enable him to retire upon his laurels and fat purse. But he is far too interested and enthusiastic to quit just now. He grows carnations indoors entirely, but not necessarily entirely under glass. As soon as the weather permits in the spring, the glass is removed. Each course of butted glass is put by itself on a sort of pocket-like shelf below the eaves and is ready to be put back in the fall, each pane to be placed in regular order, just where it was in the spring. Mr. Rohrer says that one would be surprised to see how quickly a couple of careful men will take off and put on the glass, as no fitting or turning is needed. Then there is no danger of loss of glass from summer hail storms. Mr. Rohrer does not believe that renewal of the soil is necessary. The exposure to the elements, sun, wind and showers, together with a liberal supply of fertilizers if judiciously supplied, will, he thinks, keep up the soil indefinitely. The large pile of stable manure close to a large tank or concrete vat at an elevation sufficient to supply all his houses by gravity is one of the prominent evidences that he practices what he preaches. A man at a force pump assists gravity in the flow of the rich fluid and reduces the time of the man with the hose by more than one-half.

George W. Shroyer and his son, Harry A. Shroyer, have the oldest establishment in or near Lancaster. George W. Shroyer was a florist of note before many of those now prominent in the business were born. The writer believes Mr. Shroyer to be the oldest florist in Pennsylvania. The son keeps a flower store on N. Queen street, and it would be pretty hard to ask for anything of importance that they could not supply from their own houses. An immense variety of exceptionally well grown plants fill their houses. They are therefore well prepared to decorate and Mr. Shroyer not only decorates with good taste on nearly every important occasion in Lancaster but he sometimes goes as far as Harrisburg. His latest call was for the funeral of the late Lancaster postmaster and editor, Major Ellwood Griest. Governor Stone and other prominent dignitaries were there and of course the decorations for a Quaker funeral, while not elaborate, were expected to be "just so."

Daniel K. Herr grows plants, mostly for bedding purposes, and grows them well and in quantity. He loves the beautiful and his plants are a sight. Coleus, geraniums and begonias are his main specialties, produced mostly for the wholesale trade.

Albert M. Herr needs no introduction as Daniel K. Herr's son. As secretary of the American Carnation Society he is at

all times expected to show something unusual in that special line and he never disappoints. Not much but carnations are grown in his large range of houses. Several of his houses are not quite No. 1 but the others make up what these lack. A house of Ethel Crocker is a marvel and proves that the claims for this variety have not been overdrawn. His extensive propagatiug houses are models and the long benches of carnation cuttings set one to wondering what he will do with them; but then he seldom has enough to supply the demand. He ships nearly all he produces.

Lancaster, with its wealth and about 40,000 population, is a poor market for fine flowers. The large growers, and even the small ones, ship the greater part of their crops. The "Cabbage Hill" element somewhat pervades the town and prefers the aroma of sauerkraut to that of violets or American Beauties. Here as in other cities some of the wealthiest have greenhouses on their own grounds and are in the main satisfied with what they produce. M.

The Matter of Credits.

The question of credits is a very important one to every wholesale florist and it assumes particular prominence in the establishment where cut flowers are wholesaled on commission.

The wholesale florists have for years been discussing this problem of giving credit and several plans have been broached for making the evil less acute, but conditions do not yet seem to be ripe for such an organization as is required. Eventually the wholesale florists should have a co-operative credit agency of their own, which should publish for its members a list of credits, it being one of the rules of the organization that the moment a buyer is reported as a bad risk, he must pay cash to all. A number of features might be added to broaden the work and secure all the wholesalers as members, but the general advantage of such a mutual benefit experience list should be sufficient to bring in every dealer of consequence.

And the advantages would not be all on one side. The responsible retailers would secure even greater benefit. How often you hear a retailer complain that a certain competitor is selling at less than the complainant can buy for. That is easy of explanation. One dealer pays cash; the other owes the wholesaler and will owe him as long as he will "stand for it"; then something will happen to make an item for the press and probably a case for the bankruptcy lawyers. Retailers have repeatedly found it difficult to compete with those who do not intend to pay.

To-day, when no two firms agree on the credit of anyone, each wholesaler has to rely on his individual judgment and a great many people secure credit who are not entitled to it and who abuse it. Then, too, if you ask a new buyer for references it hurts him, even if he promptly produces references enough to fill a book; and if he happens to be a man without credit, a "dead one," he puts up a most awful "roar" and promptly does his cash buying elsewhere.

The cut flower business ought to be spot cash. For the commission man of to-day to keep up with the times he must have a bank account large enough to carry any buyers that are good, an occasional one that isn't, and still pay the producer on demand.

E. E. PIESER.

PURE WHITE CYCLAMEN GROWN R. ROTHE, GLENSIDE, PA.

Boston.

PROSPERITY ATTENDS THE CLOSE OF THE SOCIAL SEASON.—PRICES STIFFEN.—SOME GOOD ROSES.—BULBOUS STOCK IS POPULAR.—VARIOUS JOTTING AND PERSONAL NOTES.

The flower trade seems to have gathered itself together for the final winding up of the season, before Lent takes possession. The past week has been generally satisfactory and there remains but a week more. While lacking in sensational features and unusually quiet on the surface, yet the season is believed to have been a fairly good one and as profitable, all together, to growers, dealers and retailers, as any in recent years.

All prices have stiffened up considerably within the past few days. Roses have done well and the returns, for those growers who grade correctly, have been pleasant reading. The dissatisfaction, where any exists, is confined to those who grade according to their own ideas rather than to the generally adopted market scale and then howl because their receipts do not agree with published price quotations. And their race will never become extinct.

No better roses have ever been seen in this market than those being sent to Welch Bros. by S. J. Reuter. The highest grades of his cut are bringing $25 per hundred and his carnations are of an equally high order. Fred King's scarlet carnation, named after himself, is very popular and a great keeper.

Warren Ewell reports the trade in flowering bulbs in pans as excellent. The quality of his stock this year is superior to anything in the past and it seems to be generally in demand—as popular, almost, as Warren himself; and this is saying much.

The annual scrimmage over the gypsy moth appropriation is on at the State House. All kinds of charges and counter charges are being made, some going so far as to accuse the moth hunters of planting colonies of the pest to perpetuate their occupation.

E. M. Wood has just got back from the salubrious Florida coast, full of entertaining stories of that favored land and looking greatly refreshed after his much needed vacation. S. A. F. matters and co-operative purchase will now begin to hum.

Lothrop & Higgins, of Bridgewater, are making arrangements to put up a mammoth display of dahlias at the Paris exposition.

Herman, Mr. Edgar's driver, was badly injured while unloading some plants from his wagon on Tremont street Tuesday morning, by being struck by a runaway team.

Long & Marshall have taken possession of the Thorndike flower store and an appearance of progressive prosperity is unmistakable.

A. T. Boddington, of New York, is in town; also R. H. Dunbar, of Bristol, R. I.

New York.

STATE OF THE MARKET.—THE FAVORITES BRING GOOD PRICES.—THE VIOLET SITUATION.—MARKET DEPENDS UPON THE WEATHER.—STORY OF THE SPECIALTIES.—NOTES.

The leaders for the past week in the cut flower market have been Beauties, top grade Bridesmaids, good carnations and lilacs. Beauties are in larger supply than one year ago but are averaging more money and have held up well in price, bringing 60 cents for the best. Extra quality Bridesmaids are just about equal to the demand, the best running up to 15 cents. Brides are not so easily sold and bring lower values on the average. Brunners have arrived but the number coming in is small as yet, the price ranging from 20 cents to 50 cents.

The daily supply of violets is enormous. Thus far they have been cleaned up at fair figures except when rainy weather or a snow storm like that of last Saturday interferes, in which case it taxes the cellars of the wholesalers to store them. With no other flower is the sale so dependent upon the weather. On account of their short-lived perfume it is an invari-

able rule in some of the best retail stores never to sell them on the second day as violets but to use them up, if opportunity presents, in wreaths or other design work where they can be mixed with material in sufficient proportion to give the required fragrance. In consequence of this general prejudice against violets that have been kept over night, the returns on such a day as last Saturday, when transient trade was at a stand still, are very unpleasant writing for the commission man and very glum reading for the grower.

Smilax is going better and good, long strings in flower bring nice prices. There is plenty of mignonette, hyacinths, tulips, asparagus, daffodils and lily of the valley in market, the latter selling somewhat better than lately. The increase in supply of Harrisii lilies has lowered the price, with a prospective further decrease. Handsome lilac plants and branches of acacia adorn the florists' windows.

E. R. Sherwood, of Norwalk, is sending flowers of a fine seedling carnation to John Young which it will pay those interested to look at.

In town: J. C. Vaughan, Chicago.

Philadelphia.

TRADE GOOD AND STOCK SCARCE.—THE PRICES IN DETAIL.—DECORATED PLANTS.—BLOOMING SUBJECTS NOW IN GOOD SUPPLY.—VISITORS TO BUFFALO REPORT ON THEIR TRIP.

Good flowers are scarce and choice stock of all kinds is snapped up immediately when offered for sale, with little if any quibbling about the price. All kinds of plants seem off crop. This is particularly true of Beauties, which are very scarce in all sizes. Talk about increasing the assortment of roses! The growers cannot now supply the demand for the "big four" when the crops are off and we presume the situation would be worse with the other kinds that do not flower so freely. Prices on account of the scarcity have stiflened a bit, $2 per hundred on most of the roses except Beauties, where the stock is simply graded closer. Prices are about as follows: Beauties, 12-inch stem, $1 to $1.50 per dozen; 18-inch, $2; 24-inch, $3; 30-inch, $4; 36-inch, $5; 48-inch, $6 per dozen. Brides and Bridesmaids, $6 to $15 per hundred; Meteors $8 to $12. Carnations are also scarce. Good Scotts brings $2 to $2 50, which figure will also hold good for most other sorts, such as were selling for $1.50 a week ago. Tulips are scarce just at present, $3 to $4 per hundred being the price. Greens of all kinds save smilax are scarce and sell well. Lily of the valley brings $3 to $4, Romans and narcissi, $2 to $3. Double and single daffodils are plentiful at from $3 to $5. Violets double, 75 cents to $1; single, 35 cents to 75 cents per hundred. Business the past week has been brisk, there being several good balls at which the decorations were quite elaborate. There have also been a number of fine dinners.

Pennock Bros. have made a display the past week of decorated blooming plants, using ribbons, crepe paper, etc., to produce quite elaborate effects. Their window is always an attraction. Blooming plants are now to be had in variety. Azaleas, rhododendrons, cinerarias, Harrisii lilies, Primula obconica and genistas brighten up the stores and help in decorations.

The meeting of the Pennsylvania Horticultural Society last Tuesday evening was fairly well attended. The attraction was the paper by John Hobson on "Forcing Vegetables Under Glass," which showed careful preparation and was well received.

The Philadelphia delegation to the carnation convention at Buffalo express themselves as being very much pleased with their visit. The exhibition was fine, no such a collection of fine flowers ever having been seen before. The reception by the Buffalo brethren and their care of the visitors was hospitable in the extreme. The banquet was immense and the various songs and witticisms are echoing in our ears yet. The great and only Wm. Scott and his side partner, "Billy" Kasting, are a whole team, and Palmer, Cowell, Long and the other gentlemen who so ably seconded them were always turning up at the right moment. The Buffalo florists are quite up-to date, their stores being arranged with very good taste and with well decorated windows. The refrigerators or flower cases were nearly all arranged after the same plan, a sort of bow window pattern, which stands out well into the store and shows the flowers off to good advantage. Wm. F. Kasting has a large and roomy place, which presented a hustling and busy appearance at all times when visited. D. B. Long was also visited and found up to his elbows at his desk busy with examples of fine circular work for the Easter trade. A few of the boys tried their hand at bowling but the luster is off the formerly brilliant silver dollar alleys and nothing in the way of record breaking took place.

Visitors: E. G. Hill, of Richmond; W. R. Clucas, of Clucas & Boddington, New York. K.

Chicago.

THE MARKET SUFFERS A CONSIDERABLE CHANGE.—MORE ROSES AND NOT ENOUGH CARNATIONS.—VIOLETS AND BULBOUS STOCK HARDEST HIT.—GOOD STOCK FROM A HOOSIER LADY.—A VIOLET PACKAGE.—AT WASHINGTON PARK.—JOHNSON GOES TO SEATTLE.—JOTTINGS OF VARIED INTEREST.

The market conditions have undergone a very decided change during the past week. Roses are no longer difficult to secure in reasonable grades and quantities and prices have weakened somewhat. There are good cuts of Beauty close at hand in the establishments of all the big growers. For the past few days carnations have been under the demand and prices have held firm. Violets are in heavy supply and only moderate demand, so that averages have been low. Bulbous stock, which has been faring well of late, has taken a slide and is in the dumps, and not the least of the sufferers are calla lilies.

Among the finest carnations coming to Chicago are those from Mrs. E. T. Graves, of Richmond. Her White Cloud and Jubilee could hardly be excelled and, in fact, a number of carnation experts have pronounced her product the equal of the best in the country. Various causes are assigned for this, among them a peculiarity of the soil and the fact that Mrs. Graves takes no cuttings from her plants, not even for her own use. She has a pink seedling, Dorothy, which has met with such favor that at least two large growers have offered to buy the stock, but Mrs. Graves has declined and will build new houses for it this spring. Mr. Amling is her Chicago agent.

Van Aken Bros., of Coldwater, Mich., are shipping in good violets packed in cases which are the most convenient of anything thus far designed for the purpose. The boxes have from one to three trays, each tray being about five inches deep and bottomless. Midway in each tray is a sheet of wire netting, through the meshes of which the stems of the bunches are placed, each wrapped in wet paper. The bunches cannot fall out of the wire mesh if the box happens to be turned up side-down and each box is padlocked, both shipper and consignee having a key.

The Harrisii at Washington Park excel the lilies which have thus far been in the market, most of the stock bearing from five to seven blooms. The azaleas there, too, are magnificent specimens and the daffodils, of which there are several hundred pots, are a credit to Mr. Kanst's skill as a bulb forcer.

C. W. Johnson passed through the city Thursday enroute to Seattle, Wash., where he has been engaged as manager of the establishment of the Washington Floral Co. Mr. Johnson carries with him to his new sphere the best wishes of numerous trade friends.

J. A. Budlong is having splendid success with his rose cuttings this season and has just started upon the propagation of 200,000 American Beauty for the market.

Kennicotts have been receiving some excellent Papa Gontier roses which have been very welcome to the retailers who wish to vary their assortment.

Brant & Noe, at Forest Glen, have placed an order for 500 boxes of glass for their spring addition, the material for which will be furnished by Lord & Burnham.

Cornelia De Mare has brought suit against Albert Fuchs for $15,000 damages for alleged breach of promise. She was at one time employed in his store.

W. N. Rudd and other Cornellians of this city entertained President Schurman, of Cornell University, at dinner at the Wellington hotel February 23.

John G. O'Keefe, representing Hudson & Co , of St. Louis, has been in town for several days in the interest of the new commission house.

Some of the growers report that they will have a task to hold their Harrisii lilies for Easter, which comes April 15.

Klehm's home grown lily of the valley is probably the finest which ever came into this market.

The Chicago party to the carnation meeting report a very jolly trip.

Washington.

ANOTHER ROUND OF RECEPTIONS AND DINNERS.—SOME MORE GOOD DECORATIONS.—A TIMELY WINDOW.—ANOTHER COMING PRESIDENT.

President and Mrs. McKinley's last reception of the winter series, February 14, was an army and navy fete pure and simple and one of the largest gatherings seen at the White House for a long time filled every part of the first floor and quite crowded the conservatories. The floral decorations were equal to those of previous occasions chronicled in these columns.

Mrs. General Bates gave a luncheon February 14, at which the decorations were somewhat out of the usual. Two large tables were spread in the dining room. Each had a heart-shaped center piece of low growing ferns, principally adiantum, and dotted here and there with bunches of yellow and white marguerites. Several large arches of asparagus and ferns were crossed over the center pieces. Beneath the arches and in the middle of the heart-shaped pieces were little gilded cupids holding strands of yellow satin ribbon which led to a corsage bouquet at each plate.

Mr. and Mrs. Westinghouse gave a dinner party of twenty-two covers February 19. The decorations were very rich, about 700 cattleyas in six varieties being used. Both these decorations were done by J. H. Small & Sons.

Z. D. Blackstone has his window decorated with a long frame of galax leaves in the center of which is a spinning wheel of immortelles with thirteen spokes and surrounded by thirteen stars, the felly bearing the words, "The Daughters of the American Revolution." This society is now in session here and livening up business.

Minder Bros.' Campbell violets are very fine and their Lilium Harrisii are quite free from the blight.

Wm. F. Gude, of A. Gude & Bro., received an unusual valentine, a little son. P. G.

Buffalo.

BUSINESS IS SLOW.—SCOTT BECOMES CHIEF OF THE HORTICULTURAL DEPARTMENT AT THE EXPOSITION.—COWELL GOES TO FLORIDA.—JOTTINGS OF THE CARNATION MEETING.

After the show trade is still quiet. All have departed and we trust in good spirits for I think all had a good time. At the banquet or gathering it was observed by the writer that C. W. Ward can speak on New York state and Roosevelt. L. E. Marquisee certainly looks sanctimonious but he is a witty speaker.

Wm. Craig was a good presiding officer. That day has passed when only the older heads shall rule in any society. If you do not give the young blood a chance there is no reason why they should belong unless it is to pay dues.

Mrs. A. M. Herr, of Lancaster, was certainly the right one as assistant to Secretary Herr. She was the only lady at the convention and not lonesome at that.

There are some very sanctimonious men in Michigan who do not like banquets and then there are others, and the majority were others.

George Fancourt now wears a No. 10 hat, for Ladysmith has been relieved and the "Absent Minded Beggar" will soon be home again.

President Craig and Horace Dumont were out in full dress. Phil. Scott loaned his and did not get it back in time.

No. 666 was all the talk at the flower show and XXXX brand in demand elsewhere.

Scott is a good presiding officer but E. G. Hill, Rudd and Ward kept him busy.

Kasting says, call me a "Heinie" if you wish but the boys had a good time.

The local club was thankful to D. B. Long for his neat menu card.

Too bad J. N. May had to go so early. Prof. Cowell was lonely.

"Buck" Scott takes after "Papa" and is out for fine.

Superintendent Keitsch worked hard.

The latest news in town is that William Scott has been appointed chief of the Bureau of Horticulture for the Pan American Exposition.

Mr. Smith, of Smith & Fetters, Cleveland, has been in Buffalo and has secured the services of Chas. Porter, now with Wm. Scott.

Prof. Cowell left on Wednesday for Florida on business for South Park.

Adams' store is now newly decorated and it looks fine. W. A.

LITTLE FALLS, N. Y.—Miss Mary E. Holmes is about to remove to a new store on Second street.

Pittsburg.

STOCK IS SHORT ON A BRISK MARKET.—THE PRICES —A WEDDING.—FLORIST TURNS LAUNDRYMAN.

Business continues about the same as the last two weeks, with an occasional extra stir. Violets have been used in great quantities. The weather of late has been unfavorable and has caused a shortening up in most lines, especially roses. Good roses sell from $3 to $12 per hundred; carnations $1 to $3, lilies $12 to $15, and violets from 40 cents to $1. Beauties are unusually scarce and prices away up. Bulbous stock is still increasing and is fairly cheap.

Announcement is made of the marriage of Wm. B. McCrea, Jr., head florist for the Pennsylvania Railway Co., stationed at Altoona, Pa., to Miss Bertha Miesse Barclay, on February 16. They will be at home to their friends after March 1.

Geo. Oesterle has resigned his position at Randolph & McClements owing to ill health and has assumed the lighter duties of the financial department of the Crown laundry, of which he is part owner.

G. O.

Notes of a Western Traveler.

Trade is good at Denver and the supply has not in a long time equalled the demand. Such a thing as the market being over loaded is scarcely ever known here. It is true that prices do not range as high as they do in the big eastern cities but there is a more steady market, which is a great compensation.

The Park Floral Company's greenhouses are well stocked with a great variety of material. They have an exceedingly fine lot of mignonette and cut it with very long stems. It is a strain of their own, which they have improved from year to year. They are cutting some fine roses from grafted plants and are having such good results with this class of stock that they will try grafting Beauty next year.

The Colfax Avenue Floral Company combines the wholesale and retail business and handles a general line, including cut flowers, decorative and bedding plants. They have a lot of pelargoniums in 8 and 10-inch pots which are particularly fine.

Among the many things worthy of note at Thomas Chapman's is a bench of double petunias. He is to build two new houses 20x120 in the spring and will fill them with G. H. Crane, Ethel Crocker and The Marquis carnations in the fall.

D. S. Grimes & Son are pioneers at the business and there are many interesting things on their place, not the least of which are some fine plants of Araucaria Bidwillii, something very seldom found on a commercial place.

Glauber & Webb devote every foot of their glass to roses, carnations and violets. They are doing splendidly with Wootton, although it is seldom seen in the east, and their Marie Louise violets are wonderfully large flowered and prolific.

Newlander & Rollin devote their place mostly to pot plants but they have a bench of snapdragon for cutting and find that it pays well. They also have a great many chrysanthemums in pots for cut flowers.

Theo. Loken's horse and buggy were stolen recently and the detectives have found no trace of them. Mr. Loken grows carnations for the commission house.

C. J. Hurt has not a large place but it is well ordered and he is cutting some swainsonia which is good enough to be very profitable.

At the Mauff establishment, which is also devoted to cut flowers, there is a house of G. H. Crane carnations which would give pleasure to the originator.

The Curtis Park Floral Company has a good stock, a fine trade and its officers receive guests with unbounded hospitality.

Geo. M. Geraghty, manager for Daniels & Fisher, is breaking ground for those new houses. WESTERNER.

Orange, N. J.

The Essex county park commissioners have just completed a large greenhouse upon a portion of the Branch Brook Park, in Newark. Theo. Holicke formerly with Pitcher & Manda, is in charge.

At the last meeting of the New Jersey Floricultural Society, Messrs. Williams, Kitchen, Hayes and Davis were appointed a committee to devise a means of developing a love for floriculture among the school children, by a free distribution of plants.

John McGowan has made a souvenir book of views of the Oranges, which he has distributed among his customers. Among the views are two of the Lowell Mason estate where Wm. MacMillan served his apprenticeship, and showing a row of fine elms planted by him.

J. B. Davis has started a chronology of floral events and contemplates a floral directory of the Oranges, of all those who give special attention to the cultivation of flowers.

Peter Duff sustained an accident by letting a stone fall on his foot and was unable to attend the last society meeting. Raising stones and raising flowers are two distinct industries, he now maintains.

DELAWARE, OHIO.—Jos. H. Cunningham reports business in all lines as extra good.

CROMWELL, CONN.—The greenhouses of A. N. Pierson are being wired for electric lighting.

EAST BRIDGEWATER, MASS.—Lothrop & Higgins will make a large display of dahlias at the Paris exposition.

ST. JOSEPH, MO.—Krumm & Sons report an excellent season's business. The stock at their greenhouses is in very good shape.

DENVER, COL.—Michael Bloy, formerly with Wm. Scott, of Buffalo, N. Y., has taken the position of foremen with the Park Floral Co.

OAKLAND, CAL.—E. Lacazette & Co., the new firm at 414 Fourteenth street, are starting out with a good trade, largely funeral work.

SKOWHEGAN, ME.—Chas. A. Leighton, who has made a success of the florist business, is branching out and has begun the manufacture of bristle dusters.

BLOOMINGTON, ILL.—The market gardeners of this vicinity held a very well attended meeting, February 17, for the purpose of organizing a gardeners' club.

SEATTLE, WASH.—The Washington Floral Co. report an increased demand for all kinds of stock, with short supply. This firm is contemplating an extensive increase of glass especially for carnation growing.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THE date of Easter this year is April 15.

A. ROTH.—The name of the plant is Senecio Petasites.

THE first number of the semi-monthly Canadian journal for gardeners and florists has made its appearance. We wish it a prosperous career.

IT is worthy of comment that the strongest demand for carnation cuttings is at present for two of Dorner's introductions, G. H. Crane and Mrs. Bradt.

E. ASMUS is authority for the statement that since Christmas cut blooms of the Liberty rose have sold at fifty cents each wholesale, adding that the demand could not be supplied even at this high figure.

THE representatives of K. J. Kuyk, of Ghent and Hillegom, H. J. Goemans and H. P. Hugenholtz, arrived in New York February 15. They intend to remain in this country until May 15, their address in the interval being care of J. Ter Kuile, 33 Broadway, New York.

M. VIGER has been appointed president of the International Congress of Horticulture to be held in Paris this year in connection with the exposition. His appointment fills the vacancy caused by the death of M. Henry de Vilmorin. M. Viger is president of the French national horticultural society.

THE retail florists should not wait for the wholesalers to increase the price of stock. The people have plenty of money now and they are spending it freely. This therefore is the time for all to secure some profits on the goods handled, more especially as any kind of a profit has been altogether out of the question for a number of years past.

A FRENCH grower has adopted a very novel method of fertilizing his chrysanthemums. He collects all of the remains of his old plants, dries them and then makes a tea or extract by boiling them in water. The tea is made use of as a liquid fertilizer. All of this, we suppose, on the principal that the hair of a dog is good for his bite.

A Chance for the Young Man.

The liberality of our eastern contemporary is sometimes excessive! The offer made under the above heading is a case in point. The prize offered, three dollars, would be a low rate for regular contributions of a thousand words, but the true meat in the cocoanut comes further down, in the innocent little requirement that all manuscript submitted shall become the property of the publishers.

Oh, fie! brother. Pay the boys for their work.

Carnation Disputes.

We have been in the habit of calling them "discussions," but "disputes" is a much better term, unless we say "scraps." The Boston people, however, will be sure to declare "scraps" vulgar, and we must deny ourselves the use of that most expressive and forcible word. Take, for instance, the Enquirer case. Three worthy gentlemen innocently say they think it worth 100 points. Up jump several fellows and proceed to get out their little hammers. Then the gentleman who thinks "any old calyx is good enough for him" shies his cap into the ring and dares the world to come on. Next the editor of our eastern contemporary does business with a club and the other gentleman goes back home for an axe and uses it. The air is full of all sorts of missles, including rabbits hides with the hair on, while the "wise guys" stand around and make books on the results. Here you have all the elements which go to make a beautiful discussion—dispute—scrap.

These disputes are not a bad thing; in fact they generally result in much good. All the different ways in which the subject may be looked at are brought to light and every one's attention is attracted. A large amount of quiet thinking is done by many who take no part in the fracas and many "sleepers" have their eyes opened. One word, however, to the contestants: Don't expect to dodge in and hit the other fellow without some one's taking a "poke" at you. In a scrimmage of this kind several eyes are apt to be discolored and various bruises received. If the adversary, in the heat of battle, strikes a little harder than the rules of the game warrant, and lands below the belt, take your medicine and try and look pleasant.

The Landscape Architects.

The New York *Commercial Advertiser* chronicles—and the Boston *Transcript* copies—what it is pleased to call the birth of a new profession. This event, which is described as of more immediate interest than the birth of a new nation, is the incorporation of the American Society of Landscape Architects. Lest we should fail of becoming deference, the writer of the article hastens to impress upon us that the high calling of the landscape architect is "neither a diversion nor a handicraft nor a trade, but a profession, like law or medicine," and seems particularly solicitous lest the public should make the awful mistake of associating the members of the new society in any way with the lowly plebian known as a gardener, assuring us that "landscape architecture no more tolerates gardeners and nurserymen in its professional circle than the familiar house architect tolerates carpenters, stone masons, lumber dealers and quarrymen."

That there is a grand future for the art of laying out and embellishing public and private grounds and abundant room in this country for many more Olmsteds and Vauxes no one can question and we cannot look with other than heartiest commendation on any movement which brings the support of the universities or the advantages of organization to this, one of the noblest of the professions that man can follow. But, are not our friends, the promoters of the young society, in their lofty aims and boundless ambition, overstepping the limits of good judgment in launching their new enterprise with what looks much like a sneer at a profession which gave their own its beginning and which bears upon its roll the names of such men as Sir Joseph Paxton, Frederick L. Harris and others whose fame is world wide? It is true that the house architect has made for his calling a place of the highest honor and independence and this largely within a period of fifty years, but we do not believe that he laid the groundwork for his future eminence by dictatorial assumption or contemptuous airs toward his staunch allies, the masons and builders, who during the ages, had been faithfully laying the foundations on which he was to erect his professional structure.

Unquestionably, much more than a knowledge of gardening or an artistic perception of what makes a beautiful landscape will be required and much scientific learning must be mastered before the landscape architect of the future can rightly claim his title but, nevertheless, our somewhat exclusive friends should ever remember that so long as "Go out under the open sky and list to Nature's teachings," remains a precept the practice of which is as free to the most unassuming gardener as to the most pompous architect we shall have our Harrises and Paxtons, and that, after all, Nature herself is the truest exponent of her art, that her greatest glories can never be communicated to the unappreciative student by word or book, and that the successful landscape architect must always be one whose heart is close to Nature's heart, otherwise neither mastery of abstruse engineering problems, nor winning of college degrees nor admission to membership in the most exclusive society in the world can win for him any lasting honor or position.

May we be permitted to suggest to this new organization of high standard and narrow limitations, which we are told has had to ransack the country to find enough members to furnish its officers, that most of the great movements in the world's history have, like our own individual selves, learned to creep before attempting to walk and that the untimely expression of intolerant sentiments such as we have above quoted may lose for the votaries of the new profession much of that public respect and esteem which their future prosperity demands and which we sincerely hope may always attend them.

Greenhouse Building.

Richmond, Ind.—Mrs. E. T. Graves, three houses 20x200.

Toronto, Ont.—Manton Bros., violet house.

Rider, Md.—Harry A. Parr, range of houses.

Pontiac, Ill.—State Reform School, four houses.

Lockland, Ohio.—W. K. Partridge, two houses, each 400 feet long.

Marion, Mass.—Jas. Marville, one house.

Boothwyn, Pa.—Williams Bros., one house.

East Weymouth, Mass.—Ryan Bros, three forcing houses.

Billerica, Mass.—Phillips & Dodge, one house.

Philadelphia, Pa.—W. M. Stephenson, conservatory, 50x75.

The End of the Century.

Dear sir, I houp ye winna cut aff a twalmonth frae the lag end o' the cent'ry, as a lot o' itherwise able men are tryin' to dae. Shurely the warld began wi' the year 1, and the end o' the first cent'ry was jist 100 years, nae mair an' nae less. Hoo then is that 1900 sidna hae the full compliment o' nineteen hunder years? To cut aff the cent'ry at the end o' 1899 wud mean that the warld commenced in the year 0, that is a year afore it began. Noo, ye ken that a hunder times naething is simply naething, and a saxpence is worth a hunder times that, or as muckle mair as ye like. This is nae gairdenin', but I'm only writin' tae warn ye, because the loss o' a haill twalmonth's produce oot o' the gairden, and a twalmonth's waages tae ilka gairdener wud mean a michty lot. By the bye, that was a bonnie splatter at Edinbro' the ither week wi' the bubblyjock and the haggis. A'body at the feast will noo be strong eneuch to turn ower to dew leaf we're aye hearin aboot.—*Tam in Gardening World.*

Catalogues and Cut Flower Price Lists Received.

A. C. Kendel, Cleveland, O., seeds and bulbs; J. T. Lovett, Little Silver, N. J., nursery, vegetable and flower seeds and plants; The California Rose Co., Los Angeles, Cal., plants and shrubs; Rea Bros., Norwood, Mass.; herbaceous perennials, wholesale; Memphis Floral Co., Memphis, Tenn., plants and shrubs; Wickham & Sims, Kinloch Park, Mo., trees and shrubs; Horsford's Nurseries, Charlotte, Vt., trees, shrubs, bulbs, plants and vines; H. Weber & Sons, Oakland, Md., carnations and chrysanthemums, wholesale; Continental Plant Co., Kittrell, N. C., strawberry plants; National Lead Co., New York, N. Y., paints and oils; W. J. Hesser, Platsmouth, Neb., decorative plants; Phœnix Nursery Co., Bloomington, Ill., trees, shrubs, plants and bulbs; Williams & Sons Co., Batavia, Ill., plants, wholesale, also florist and nursery supplies, wholesale; The Royal Seed Establishment, Wordsley, Stourbridge Eng., seeds; Wilhelm Pfitzer, Stuttgart, Germany, seeds; William Bull, Chelsea, London, S. W., Eng., plants and seeds; George L. Miller, Newark, O., plants; Kendall & Whitney, Portland, Me., seeds; W. Atlee Burpee & Co., Philadelphia, Pa., seeds; V. Lemoine & Sons, Nancy, France, plants; Louis Vieweg, Quedlinburg, Germany, seeds; Lakeview Rose Gardens, cut flowers, florists' supplies and rooted cuttings; Bassett & Washburn, Chicago, Ill., cut flowers, florists' supplies and rooted cuttings; E. C. Amling, Chicago, Ill., cut flowers; C. C. Pollworth Co., Milwaukee, Wis., rooted cuttings of carnations and cut flowers; McKellar & Winterson, Chicago, Ill., seeds and cut flowers; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; E. H. Hunt, Chicago, Ill., cut flowers, seeds, bulbs and florists' supplies; Wm. L. Lingenbrink, Denver, Colo., cut flowers.

UTICA, N. Y.—W. J. Crowe was given the congressional order for flowers for the obsequies of the late Congressman Chickering, of Copenhagen.

WEST MENTOR, O.—Carl Hagenburger is enjoying a profitable and increasing business and will, in the early spring, erect five new greenhouses, making twelve in all, with 25,000 square feet of glass. He will also require a new boiler shed and boiler.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a first-class grower, as section man or take charge; life experience. Roses a specialty. EDWARDS, 2730 N 40th Ave, Chicago.

SITUATION WANTED—A No. 1 rose grower, capable of taking charge; good reference; Illinois or Iowa preferred. State wages without board. Address 40, care American Florist.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist.

SITUATION WANTED—By good cut flower grower; 9 years' experience; near Chicago preferred. State wages. Address HARRY BLEWITT, care Chicago Carnation Co., Joliet, Ill.

SITUATION WANTED—By young lady in cut flower store; 5 years' experience; capable of taking full charge if necessary. Address X X, care American Florist, Chicago.

SITUATION WANTED—As grower of general stock, near Chicago. Roses and mushrooms a specialty. References. State wages you can pay. Address MUSHROOMS, care American Florist, Chicago.

SITUATION WANTED—As foreman by a first-class grower of roses, carnations, etc.; 18 years' experience; married. Address FLORIST, care A. Brestel, North Fairmount, Cincinnati, O.

SITUATION WANTED—As working foreman by a first class grower of roses, carnations, 'mums and general stock; 20 years' experience. Best references. Married. Address A F, care American Florist.

SITUATION WANTED—Private or commercial, by reliable, sober, industrious man; some experience in greenhouses; German, single, age 34; near Chicago preferred. Address H S, care Am. Florist.

SITUATION WANTED—Private place by competent landscape gardener, capable of growing all kinds of plants, cut flowers and vegetables. Seven years in last place. Best of references Address C H W, care American Florist.

SITUATION WANTED—By an experienced grower to take charge of commercial place (wholesale or retail). Ten years' experience, age 32, single, strictly temperate; salary $30 per month Address GROWER, care American Florist.

SITUATION WANTED—Two young men of exceptional character and ability wish positions in California; private or commercial places. Please state all particulars to save time Address CAL, care American Florist, Chicago.

SITUATION WANTED—After March 1 as gardener and florist; thorough horticulturist, outdoors and under glass, in commercial or private place; age 32. Best of American and European references. C H, care American Florist, Chicago.

SITUATION WANTED—By an all-around gardener and florist; life long gardener; age 36, single; don't use liquor; quiet disposition; open for engagement during March. Steady, private place; either south or west preferred Best of references Address GARDENER, care American Florist.

WANTED—A man who can grow anything in a greenhouse. E E P, care Am Florist.

WANTED—Three or four men as potters. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—To know the present address of Archie Murray. Address J L, care Am. Florist.

WANTED—Two carnation growers. Address JAS. HARTSHORNE, care Chicago Carnation Co., Joliet, Ill.

WANTED—Best all-around cut flower grower that $25.00 per month and board will bring. Address MISSOURY, care American Florist.

WANTED—Man with experience in wholesaling cut flowers in Chicago. Good opening for right party. Address R, care American Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—Florist at once, to grow cut flowers and general greenhouse stock; German; single man; well recommended. MRS. GEO WALDBAUER. 1317 N. Michigan Ave., Saginaw, Mich.

WANTED—A rose grower who thoroughly understands growing A No. 1 stock The right party will have a good position. First-class references required. Address M K, care American Florist.

WANTED—A handy man with experience at piping, glazing and carpenters' tools to work around greenhouses. Must be sober and of good habits. Apply with references. CARPENTER, care Am. Florist.

WANTED—Assistant for private place; must understand growing of roses, and take care of palm house; $25 per month. Good home for the right man. Prefer a young German or Frenchman. CHAS. UFFLER, Rosemont, Pa.

WANTED—The address of Anton Kirchner, who last spring was in the employ of Wm Clark of Colorado Springs, Colo. An important letter is at the American Florist office for him. Write to the AMERICAN FLORIST CO. Chicago.

WANTED—A thoroughly commercial man experienced in budding and grafting roses, who has had charge of men when planting nursery stock. No other need apply Must be strictly temperate. Good wages to right man. THE ELIZABETH NURSERY CO., Elizabeth, N. J.

TO RENT—For cash or share, greenhouses of 9,000 feet in full operation. Address GREENHOUSES, care American Florist.

FOR SALE—Free fuel, 50,0 feet glass. Great chance for florists or gardeners Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—A piece of land very suitable to commence flower business, ⅛ mile from three large cemeteries. HY HAERTEL, 176 Madison St., Oak Park, Ill.

FOR SALE—Hot water heater, will carry 900 feet of 4-inch pipe, used one season in residence, for which it was too small. Address J T, care W. J. Stewart, 67 Bromfield St., Boston.

FOR SALE—On account of bad health, fine retail business in city of 40,000. 4000 ft glass well stocked; dwelling, barn and stable on electric car line. Very reasonable. Address E, care American Florist.

FOR SALE—One first-class typewriter, one automatic Neostyle for duplicating typewriting and handwriting, making from 1500 to 2000 exact copies from one print. Write for description and sample of work. GARDNER & SON, 126 7th St., Osage, Iowa.

FOR SALE—Greenhouse plant, four large houses (new), iron and cypress construction; large dwelling, ½ acre city lot on street car line. Finest heating in existence, and heats dwelling also. Steam heating, vacuum steam heating (new wrinkle) or water heating. Either of these three can be used, (am using vacuum steam at present and it beats everything). Good cellar for musbroom growing. Address A. T HOYT, Warren, Ohio.

SOLE AGENT WANTED
FOR THE Dutch Bulb Trade.

A Dutch wholesale bulb grower seeks a respectable person as **SOLE AGENT** for the United States and Canada. Address, stating full particulars,

No 300, Post Office, VOORHOUT, near Haarlem, Holland.

WELL, YOUNG MAN, Why don't you go west and make some money. Here is an opportunity. I offer a first-class, established florist business for sale. Greenhouses well stocked with plants for the trade, 2500 carnations in full bloom, etc, etc. Street cars go to the door. Business established 1890 In connection own brick building specially erected for down town store, in heart of the city, with four years' lease yet, 21 ft front, nicely furnished. Take $1500 for the whole business complete, as owner must be in Germany in a short time. Write or wire. First comer gets it.
THE FLEISCHER GREENHOUSES, Pueblo, Colo.

FOR SALE.

Owing to the state of my health I am compelled to dispose of my Greenhouses at Niles Center, Ill. This is a well-known establishment, 50,000 feet of glass, in first-class growing condition, stocked with Roses, Carnations and general stock; 3 acres good land 7-room dwelling on another acre which will be sold if purchaser desires it. This place is in the region of successful growers, and responsible parties will find this a rare bargain. Address
HERMAN SCHILLER, 897 W. Madison St, Chicago.

FOR SALE

102 acres fine land, part cultivated	$2,800.00
Lot 52x241, four greenhouses, sheds, etc	3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain	3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling	4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc	6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business	7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling	9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

The.....
American Florist

IS PAID FOR CIRCULATED AND READ.

The Same Old Story.

AM. FLORIST CO.—Kindly discontinue our adv., "Bred in Old Kentucky." The AMERICAN FLORIST is certainly a splendid medium for advertising. The first insertion brought us orders enough to clean us out of cuttings. We enclose four dollars to pay for the insertions. When we have more stock will try it again. We were not only highly pleased with the results, but with the manner in which you displayed our adv.

C. L. BRUNSON & Co.

Paducah, Ky., Jan. 24, 1900.

Wholesale Flower Markets

CINCINNATI, Feb 22

Roses, Beauty, select	50 00
" " medium	20.00
" Bride	6.00@ 8.00
" Bridesmaid	6 00@ 8 00
" Meteor	5.00@ 7.00
" Perle	4.00@ 5 00
Carnations	1 50@ 2 00
" fancy	3.00@ 4 00
Lily of the Valley	3.00
Violets	50.@ .75
Narcissus	2.00@ 3 00
Roman Hyacinths	2 00@ 3.00
Callas	10.00@12 50
Harrisii	10.00@12.50
Daffodils	3 00@ 4.00
Tulips	3.00@ 4.00
Asparagus	50 00
Smilax	12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, Feb 22.

Roses, Beauty	10.00@20.00
" " fancy	25.00@50.00
" Bride, Bridesmaid	6.00@ 10.00
" Meteor	6 00@ 8 00
" Perle, Wootton	4 00@ 6 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4.00
Violets	40@ 60
Narcissus	2 00@ 3.00
Romans	2 00@ 2 50
Callas	12.50@15 00
Harrisii	12 50@15.00
Tulips	2.00@ 4 00
Freesias	1 00@ 2.00
Smilax	12.50@15 00
Adiantum	1.00@ 1.25
Asparagus	50 00@75.00
Sweet Peas	1 00@ 1.50

MILWAUKEE, Feb. 22.

Roses, Beauty, long per doz.	5.00@ 6 00
" " medium " "	3 00@ 4.00
" " short " "	1.00@ 1 50
" Bride, Bridesmaid	6 00@ 10.00
" Perle	4.00@ 8 00
" Meteor	6 00@ 10.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.00@ 1 50
" fancy	3.00@ 4.00
Violets	.50@ 1.00
Roman Hyacinths	3.00
Daffodils	3.00@ 4.00
Mignonette	2.00@ 3.00
Freesias	3 00
Adiantum	1 00@ 1 50
Common ferns	25
Smilax	15.00@18.00
Asparagus	75 00
Galax Leaves	.20

PITTSBURG, Feb. 22.

Roses, Beauty	10.00@75 00
" Bride, Bridesmaid	4.00@15.00
" Meteor	4.00@15.00
" Kaiserin	4 00@15.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6 00
Carnations	1 00@ 4.00
Lily of the valley	2 00@ 4 00
Violets, double	.50@ 1 25
" California	.35@ .50
Narcissus Paper White	2.00@ 3 00
Daffodils	2.00@ 3.00
Roman Hyacinths	1 50@ 3.00
Harrisii	12 50@15.00
Freesias	1 50@ 2 00
Tulips	2.00@ 4 00
Mignonette	1.00@ 3 00
Smilax	12 00@15.00
Wild Smilax per case	3 50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax Leaves	

DENVER, Feb. 21.

Roses, Beauty, select	32.00@48.00
" ordinary	15.00@20.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	8.00
" Perle, Wootton, Niphetos	6 00
Carnations, ordinary	2.00
" fancy	3.00
Lily of the Valley	6.00
Violets	.75
Callas per dozen	1.50
Roman Hyacinths	3.00
Narcissus	3.00@ 4.00
Daffodils	4.00
Tulips	5.00
Smilax	17.00
Ferns	.30
Galax Leaves	.20

Cyclamen Plants.

THE management of the Rosebank nurseries has decided, in order to make space for other crops, to dispose of the stock of cyclamen plants reserved for special city trade.

This stock is in the best possible condition of form, foliage and florescence, and will be so packed that we have no hesitation in guaranteeing its safe arrival.

Five and Six Inch Pots, averaging twelve blooms each, Six Dollars per dozen.

NO CHARGE FOR PACKING.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

HUDSON & CO.
WHOLESALE FLORISTS,
1527 PINE STREET.
Phone, Kinloch D 83. ST. LOUIS, MO.
Consignments Solicited. Prompt returns guaranteed.

WM. L. LINGENBRINK,
Wholesale Florist.
FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
1005 Seventeenth St., Denver, Col.

HARDY Cut Ferns!

$1.00 PER 1000.

GALAX LEAVES.....$1.00 per 1000
BOUQUET GREEN.....4 cts. per lb.
SPHAGNUM MOSS.....75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order.....3 to 8 cts. per yd.
XMAS TREES, both Spruce and Balsam, for decorations, from 4 to 20 ft. Price very reasonable.
BAILED SPRUCE, for cemetery use, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

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J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen. CYPRIPEDIUMS, $15.00 per 100.

	Per Dozen.
AM. BEAUTIES, Ex. long	$7.00 to $8.00
" 24-inch stems,	5.00 to 6.00
" 20 " "	4.00
" 15 " "	3.00
" 12 " "	2.00
" short "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 2.00
BRIDES	6.00 to 10.00
BRIDESMAIDS	6.00 to 10.00
METEORS	6.00 to 10.00
PERLES	4.00 to 6.00
VALLEY	3.00 to 4.00

	Per 100.
VIOLETS, double	$1.00 to $1.25
" single	.50 to .75
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	.75 to 1.00
ASPARAGUS	50 cts.
SMILAX	$1.50 per doz. 12.50
GALAX Green or Bronze,	$1.25 per M. .15
FANCY FERNS	$1.25 per M. .15
(Vermont Fern Co.'s very best.)	
WILD SMILAX. (Caldwell's.)	No. 1 contains 15 lbs. $2.50
	No. 2 " 20 lbs. 3.50
	No. 4 " 35 lbs. 4.50
	No. 5 " 40 lbs. 5.50
	No. 6 " 50 lbs. 6.50

☞ Prices subject to change without notice.

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McKellar & Winterson's

Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc. MASSACHUSETTS FANCY FERNS, per M, $1.25; 5 M lots, $5.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

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FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

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All stock at lowest possible prices. WRITE FOR CATALOGUE.

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GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO, Feb. 23.

Roses, Beauty, extra long stems	5.00@ 6.00
" " 30 inch "	4 00
" " 24 " "	3.00
" " 20 " "	2.00@ 2.50
" " 15 " "	1.50
" " 12 " "	1.25
" " 8 " "	1 00
" Bride, Bridesmaid.	8.00@12 00
" Perle	4.00@ 6.00
" Meteor	8.00@10.00
" Kaiserin	8 00@10 00
" La France	6 00@ 8.00
" Golden Gate	10.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Violets, double	.50@ 1.00
" single	.40@ .50
Lily of the Valley	3 00@ 4.00
Cattleyas per doz.	4 00@6.00
Dendrobiums "	3.00
Lilacs per doz.,	.75@1.00
Mignonette	1.00@ 2.00
Roman Hyacinths	1.00@ 2 00
Dutch Hyacinths	4 00@10 00
Narcissus	3 00@ 4 00
Harrisii	10.00@12 00
Callas	8 00@10 00
Freesias	1 00@ 3 00
Tulips	2.00@ 4.00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy Ferns	.20
Smilax	8 00@10.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

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CUT FLOWERS

Hunt's Flowers Go Everywhere

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GREENHOUSES: HINSDALE, ILL.

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Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street. CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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Roses Violets

CONSIGNMENTS SOLICITED.

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Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Flor sts' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN
Always on Hand:
CARNATIONS, BRIDESMAIDS, BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
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84 HAWLEY STREET, BOSTON.

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Wholesale Florist,

SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

American Florist Advertisements Work Every Day.

Wholesale Flower Markets

PHILADELPHIA, Feb. 21.

Roses, Tea	6.00@10.00
" " extra	10.00@12.00
" Beauty, extra	40.00@60.00
" " firsts	20.00@30.00
" " seconds	6.00@12.00
Carnations	1.00@ 1.50
" fancy	2.00@ 4.00
Lily of the valley, Romans	3.00@ 4.00
Violets	50@ 1.00
Daffodils	4.00@ 6.00
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	25.00
Adiantum	1.00

BOSTON, Feb 21.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	4.00@ 8.00
" " extra	16.00@25.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets, single and double	50@ .75
Daffodils	2.00@ 4.00
Longifloruma	10.00@12.00
Callas	8.00@10.00
Freesias	.50@ 1.00
P. W. Narcissus, Roman Hyacinths	1.50@ 2.00
Mignonette	3.00@ 4.00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

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Also Dealer in Florists' Supplies & Wire Designs.

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ST. LOUIS, MO.

A complete line of Wire Designs.

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Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

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WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

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Galax Leaves

To Dealers Outside of New York City.

Choice Galax.....$0.40 per M.
Choice Leucothoe..... 2.00 "

Special attention given orders to go in cold storage. Order at once.

J. N. PRITCHARD, ELK PARK, N. C.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

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TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
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New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
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New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists.
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Feb. 21.

Roses, Beauty select	40.00@60.00
" " medium	15.00@25.00
" " culls	2.00@5.00
" Bridesmaid, Bride, Meteor	2.00@6.00
" " " Select	6.00@15.00
Carnations	1.00@1.50
" fancy	2.50@5.00
Lily of the valley	1.50@3.00
Violets	.40@.75
Romans Hyacinths, P. W. Narcissus	1.00@1.50
Yellow Narcissus	2.00@3.00
Mignonette	2.00@5.00
Callas	6.00@8.00
Harrisii	10.00@12.00
Lilac, per bunch	.50@1.00
Freesias	.50@1.00
Cattleyas	30.00@50.00
Smilax	10.00@20.00
Asparagus	35.00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	1.00

BUFFALO, Feb 22.

Roses, Beauty	5.00@60.00
" Bride, Bridesmaid, Meteor	3.00@12.00
" Perle, Niphetos	3.00@5.00
" Kaiserin	3.00@8.00
Carnations, ordinary	1.00@2.00
" fancies	2.00@4.00
Lily of the valley	2.00@4.00
Violets	.50@1.25
Mignonette	2.00@4.00
Daffodils	3.00@4.00
Roman Hyacinths	1.00@3.00
Harrisii	15.00@20.00
Callas	8.00@12.00
Tulips	3.00@4.00
Smilax	10.00@15.00
Adiantum	.75@1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	30.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
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Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
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ROSES. VIOLETS.
JULIUS LANG
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CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

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THE NEWEST THING IN OLD NEW YORK IS THE NEW WHOLESALE CUT FLOWER STORE OF THE OLD ESTABLISHED AND ALWAYS RELIABLE
J. K. ALLEN,
AND THE NUMBER IS
106 West 28th Street, NEW YORK CITY.
COME AND SEE US. FRESH FLOWERS at FAIR FIGURES.
SEND YOUR FLOWERS. RETURNS RIGHT and REMITTANCES REGULAR.

Holidays...
POINSETTIA, NARCISSUS, ROMANS, VALLEY, CARNATIONS AND SWEET PEAS.
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. .....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT McCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE New York seedsmen find trade active, two weeks ahead of last year.

SUGAR BEET seed is in active demand. The supply of some kinds is already exhausted.

MR. WEEBER, of Weeber & Don, New York, has been taking a week's pleasuring in Washington.

VISITED CHICAGO: Charles P. Braslan, of San Francisco, Cal.; E. M. Haven, of the Haven Seed Co., So. Haven, Mich.

JAMAICA, L. I.—Frank Knight is in charge of Landreth's seed depot here. There are three salesmen on the island working the gardeners' trade.

THE price of Bromus inermis seed rules fifty per cent higher than last fall, and it will probably go higher on account of the greatly increased demand.

THE Western Seed & Irrigation Co., of Waterloo, Neb., has purchased 400 acres of land at Monroe, in the same state, for growing seed crops under irrigation.

L. W. WHEELER, southern representative of Vaughan's Seed Store, is now looking after the bulb department of the New York establishment, both export and import.

INSURANCE matters are progressing satisfactorily with the Schisler-Corneli Seed Co. and the Plant Seed Co., of St. Louis. Their losses will be heavier than at first reported.

LEADING New York importers of seeds, bulbs and plants petitioned the customs collector of that port, January 13, 1900, for improvements in the custom house service on these classes of merchandise. G. W. Bidwell, the collector, replied January 30, stating that the suggestions of the petitioners could not be carried out as the law now stands.

Government Seed Distribution.

The distribution of seeds by the Agricultural Department is proving unusually popular with the members of congress this year. Many of them say that they have not had enough seeds to distribute, and it is quite probable that an effort will be made to have the appropriation for the purchase and distribution of seeds increased in the next agricultural appropriation bill. The quality of seeds sent out is every year being improved. Many farmers throughout the country write the department commending the distribution and praising the quality of the seeds. Only a few days ago a gardener in Colorado wrote to learn whether he could not purchase seeds from the government, stating that they were better than he could procure from seedsmen in his vicinity. The distribution this year is farther advanced and in better shape than it has ever been. Seeds will be distributed much earlier than they have been in the past.

CONCORD, N. H.—W. S. Wilson has sold his establishment here and will devote his entire attention to his place at Wellesley, Mass. Frank O. Main and Chas. Barrett have formed a copartnership under the name of Frank O. Main & Co., and will open a flower store at 1 South Main street.

Florists' Tested Flower Seeds and Bulbs.

		Large trade pkt.	Oz.
ASTER,	Improved Victoria, mixed	$ .25	$1.25
"	Florist's Special Mixture	.25	1.25
"	Semple's True Branching, mxd.	.20	.50
"	" Shell Pink, White and Red in separate colors	.25	.75
Ampelopsis Veitchii	oz. 10c, lb. 75c.		
Cosmos,	Giants of California	.10	.40
Cobæa Scandens		.10	.30
Double Daisy,	choice mixed	.30	2.00
Lobelia	Crystal Palace compacta (true)	.25	1.50
Mignonette	Defiance, Best varieties	.25	1.00
"	Machet, for florists.	.10	.40
Nasturtium	Tom Thumb, mixed, per oz. 10c, per lb 45c, per 100 lbs. $40.00.		
"	Tall, mxd., oz. 10c, lb. 35c, 100 lbs. $30.		
"	Madame Gunter Hybrids, per oz. 10c, per lb. 90c.		
Smilax	(new crop), per oz. 35c, per lb. $2.50.		
Tuberoses,	choice double Pearl, No. 1 $7.00 per 1000 —5000 @ $6.50. No. 2 $3.50 per 1000.		

JOHNSON & STOKES,

Send for Florists' Wholesale List. 217 & 219 Market Street, PHILADELPHIA, PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

CHOICE FLOWER SEEDS FOR FLORISTS

is now ready. A post-card will bring it to you.

We have still on hand some of our

LILY OF THE VALLEY PIPS,

the finest that come to this country.

Per 1000, $10; cases of 3000 at $9 per 1000

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N. Y.

Please mention the American Florist when writing.

K. J. KUYK, Ghent. **K. J. KUYK,** Hillegom.

PLANTS. BULBS.

I beg to announce that my representatives, Mr. H. J. GOEMANS and Mr. H. P. HUGENHOLTZ, have started on their annual trip to the United States and Canada, to solicit orders from importers of Palms, Azaleas, Araucarias, Sweet Bays, Ficus, etc., and Holland Bulbs.

The address of my representatives will be up to May 15th, care Mr. J. Ter Kuile, 33 Broadway, New York City.

A splendid stock for spring and fall delivery is on hand.

Gardening Under Glass

Try Watson's for

SELECT STOCKS

of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, originator's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25
MUSHROOM SPAWN, my celebrated "W. P." brand, best in the world, 10 lbs. for $1.00 Sample brick, postpaid, for 25c.	
RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.	
GRAPE VINES, for graperies, 30 varieties. 1-yr., 75 cts; 2-yr., $1.50 each.	

Bailey's Forcing Book The latest up-to-date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass, 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,

Importer and Exporter of

GRASS and GARDEN SEEDS, BULBS,

Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.

Office & salesroom Juniper St. below Walnut,

PHILADELPHIA, PA.

XXX SEEDS

VERBENA GRANDIFLORA.

Good percentage of white.

The finest strain of Improved Giant Verbenas yet produced; largest flowers and best colors, per pkt., 800 seeds, mixed colors, 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00.

CYCLAMEN GIGANTEUM.

The choicest giant flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50c.

PHLOX DRUM. PUMILA,

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales. Mixed colors; per trade pkt., 20 cts.

A pkt. of new double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

THE HOME OF PRIMROSES.

SPRING BULBS.

FOR THE FLORIST, SEEDSMAN AND MAIL ORDER HOUSE.

LILIUM SPECIOSUM RUBRUM.

TUBEROSES, True Excelsior Dwarf Pearl.
CALADIUM ESCULENTUM.
GLADIOLUS in largest assortment.
LILIUMS, AURATUM, SPECIOSUM ALBUM and RUBRUM. All sizes. ETC., ETC.

We carry an immense stock and you will find our prices LOWEST, consistent with quality.

Our 1900 Spring ...Issue BOOK for FLORISTS

Is now being mailed to our regular customers. It is overflowing with "GOOD THINGS FOR THE FLORIST." If you don't get a copy, we shall be glad to send one. A postal card will start it.

CHICAGO: 84-86 Randolph Street. **VAUGHAN'S SEED STORE,** **New York:** 14 Barclay Street.

DREER'S SPECIAL OFFER
OF SEASONABLE BULBS.

Tuberous Rooted Begonias. The finest strains obtainable.

Singles in separate colors	40c per doz.	$2.50 per 100.	$20.00 per 1000
" " choice mixture	35c "	2.00 "	18.00 "
Double in separate colors	65c "	5.00 "	40.00 "
" " choice mixture	50c "	4.00 "	35.00 "

New Frilled Begonia. A grand novelty with wavy petals which are beautifully frilled like the finer forms of petunias. We offer strong bulbs, 25c each; $2.50 per dozen; $20.00 per 100.

New Sun-Proof Begonia, Duke Zeppelin. The most brilliant of all the tuberous rooted varieties. flowers double, of the most dazzling pure scarlet, strong bulbs, 20c each; $2.00 per dozen; $15.00 per 100.

Caladiums, Fancy Leaved. A choice assortment of 25 distinct varieties, strong bulbs, $2.00 per dozen; $15.00 per 100.

Caladium Argyrites. A fine lot of this most desirable and scarce miniature variety, which if started at once will make fine plants to use at Easter, good bulbs, $2.00 per dozen; $15.00 per 100.

Cosmia Aurea Imperialis. A summer flowering bulb of recent introduction, orange colored, star shaped flowers 3 inches across, 30c each; $3.00 per dozen.

Gloxinias in separate colors or in choicest mixture, fine sound bulbs, 50c per dozen; $4.00 per 100; $30.00 per 1000.

Dahlias. Our collections embrace the best now grown; we offer:

1 set of Twelve Double Show Dahlias	$1.00 per set.	$8.00 per 100	
" " " Fancy	1.00 "	8.00 "	
" Six Superb Quilled	.50 "	8.00 "	
" Twenty-five Choice Cactus	2.00 "	8.00 "	
" Ten Superb Single	.85 "	8.00 "	

Dahlia, Storm King or Blizzard, 25c each; $2.50 per dozen; $20.00 per 100.
Montbretias. Seven finest varieties, 25c per dozen; $1.75 per 100; $15.00 per 1000.
Tigridia Conchiflora, Grandiflora Alba and **Pavonia Grandiflora,** 30c per dozen; $2.00 per 100.
Caladium Esculentum, Gladiolus, Etc., Etc.

HENRY A. DREER, Philadelphia, Pa.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1 50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs G. Bradt, var.	5.00	Wm. Scott, pink	1 00
Glacier, white, fine	4 00	Lizzie McGowan	1 00
Gen. Maceo, best crimson	$5 00 per 100		
Mrs. Jas Dean, fine pink	3 00 per 100		
Nephrolepis, Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz.			

Cash please. CARL HAGENBURGER, West Mentor, O.

CYCLAMEN PERSICUM GIGANTEUM.

In the various colors and shades. Plants are in healthy condition, $5.00 per 100; $40.00 per 1000.

Money Order Office Chestnut Hill, Phila. EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA.

FINE STOCK. **PANSIES.** AT LOW PRICES.

....THE JENNINGS STRAIN....

200,000 fine, stocky plants in cold frames. Large-flowering; superb colors; many are curled and fringed. 100 plants by mail, 60c.; 1000 by express, $3.50. Large plants in bud, 50c. per 100, ex. Seed of above, $1 per pkt., $5 per oz. 100 fine Pansy blooms by mail, 50c. Seed and plants can also be had in separate colors, same price.

100 choice mixed Gladioli, 50c. 100 extra large scarlet Amaryllis bulbs, $6. Medium size, $3 per 100. Samples sent for 10 cts. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**

Grower of the Finest Pansies.

Please mention the American Florist when writing.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Tuberous Begonias, single, five separate colors extra fine large bulbs, ½-inch, per 100, $2 50 Double, in separate colors EXTRA large ⅝-inch stock, (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs, per 100, $3.00. Cannas in choicest sorts, $2.00 to $8 00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Sprengeri seed, 100 75c; 1000 $6 00. Asparagus P. Nanus (TRUE), 100 $1 00; 1000 $9 00. Latania Borb. 100 40c; 1000 $2 50 Pandanus Utilis, 100 $1.25; 1000, $10 00. Cocos Wedelliana, 100 $1 00; 1000 $7.50. Send for our NEW spring list. Address

H. H. BERGER & CO., 47 Barclay St., N. Y.

A LIMITED QUANTITY of SEEDS for Spring Sowing.

Separate colors. Semple's Asters, crimson, lavender, pink, purple, white. Betteridge's prize quilled mixed, at $1.00 per ounce. Giant Branching Comet, rose pink, white, white striped pink, $ 2.00 per ounce. Silver tip, blue and pink, per trade pkt. 25c. Mignonette, Allen's Defiance, 50c per ounce. Golden Machet, 25c per ounce. Pure Machet, 25c per ounce.

AMERICAN ROSE COMPANY, Washington, D. C.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE legislative committee of the Eastern Nurserymen's Association has just addressed a circular to every nurseryman in New York urging concerted pressure on the state legislature to kill the proposed law requiring fumigation of all stock.

ELLWANGER & BARRY are sending with their new catalogue an application blank for postoffice money order, the name and address of the firm being already filled in. This will perhaps save customers' messengers an errand to the postoffice. It is necessary in many cases to make one trip for the blank and another for the order. Perhaps the letter carrier when he calls can be induced to take the filled-in application, delivering the money order on his return journey.

San Jose Scale.

The following extract from Bulletin No. 177 of the Cornell Experiment Station, entitled "Spraying Notes," by Prof. Bailey, is so pertinent that we reproduce it:

"The San Jose scale is still with us. It will stay. There is no hope of eradicating it. Then every man should be prepared to meet it. He should not rely on state control alone.

"For three seasons now, we have experimented with the kerosene and water emulsion—as others have done—and have found that it is a specific for the scale. In the proportion of 1 part of oil to 5 of water in summer, and 1 to 4 in winter, it will kill the scale.

"Can a man hope to annihilate the scale, then, by spraying? No. On plants which he can spray thoroughly and frequently, he can hope to eradicate it; but I should not expect him to eradicate it from a large and badly infested plantation, any more than he can eradicate the apple-scab or the bark-louse. But I should expect him to keep it in check. Spraying for San Jose scale must come to be an accepted practice, as spraying for potato-blight is.

"All this means that the farmer should not be frightened, but should be self-reliant and determined. But the state should help him. The law should not help him less, but more. *Nursery stock should be fumigated with hydrocyanic acid gas under strict control.* It would be folly to attempt to burn every infested tree or bush wherever found; but the law should be so amended as to allow a properly qualified officer to destroy plants which, in the judgment of experts, are a menace to the general weal."

FOR SALE

Two thousand BRIDES and two thousand BRIDESMAIDS in 2½ in. pots, now ready.

Price $3.00 per 100.

JOHN L. WYLAND, - - DeHaven, Pa.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A." Chilwell Nurseries, - Notte, England.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

CLEMATIS PANICULATA & **AMPELOPSIS VEITCHII**

$40 to $70 per 1000. $35 to $50 per 1000.

We have the above in large quantities, 2 and 3 years old, fieldgrown.

Grasses at $2 per 100; Cal. Privet, $12 per 1000.

Stock for transplanting. Shrubs in large quantities cheap. Send for wholesale list.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

We are now booking Import Orders for

H. P. ROSES,

in all popular varieties, at $50.00 per 1000, f. o. b. Boskoop, Holland.

We would be glad to give prices upon Rhododendrons, Azalea Mollis, Clematis, hydrangeas, etc., upon application.

ENGLISH IVY. Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting. $4 per 100, $35 per 1000.

Bobbink & Atkins,

....RUTHERFORD, N. J.

NURSERY AND STORAGE CELLAR AT Carlton Hill, N. J.

FRUIT and ORNAMENTAL **TREES** SHRUBS VINES AND ROSES

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y.

Ampelopsis Veitchii	2 yr. strong.....	Per 100	$ 7.00
Clematis Jackmanni,	2 yr. extra strong,	"	14.00
Standard Hydrangea P. G.,	3—3½ ft....	"	18 00
" Lilacs,	assorted, 3—4 ft.....	"	10.00
" Japan Snowball,	3½—4 ft....	"	18.00

These prices are good only until surplus is reduced. SEND FOR LIST OF OTHER STOCK—Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

AMERICAN ELMS.

8 to 10 feet, 1 to 1½ inch caliper.

25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.

SEND FOR PRICE LIST.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Please mention the American Florist when writing.

THE ROLETA NURSERY CO.,

ROLETA, TENN.

We have on hand the best lot of TREE AND SHRUB SEEDLINGS that can be collected.

300,000 SUGAR MAPLES, 2 to 3 ft., at $3.00 per 1000. Please give us a list of your wants and write for price list.

HORACE PERRY, Prop.

ROSE BUSHES.

FIELD GROWN. OWN ROOTS. FIRST-CLASS PLANTS.

Handling our OWN ROOT stock one season means your trade secure to us in the future.

Shipments made up to last of March. All sales are subject to cash with order, regardless of how responsible a customer may be; or if preferable, one-half cash, balance subject to sight draft with B. L. and privilege of examining. Prices will apply on not less than ten of a variety. Packed in first-class shape, F. O. B. Los Angeles.

ORDER QUICKLY AND BE SURE OF THEM.

PRICES.

$7 00 per 100—Mignonette, Parquerette.

$7.50 per 100—Marie Guillot, Marie Ducher, Marie Lambert, Mme. Bravy, Mme. Cusin, White Bath.

$8 00 per 100—Clo. Soupert, Coq. de Lyon, Devoniensis, Duch. de Brabant, Earl of Dufferin, Empress of China, Fisher Holmes, Hermosa, Homer, Beauty of Glazenwood, Meteor, Mme. G. Bruant, Queen Scarlet, Queen of Prairies, Rainbow, Sou. de Wootton, White Rambler, La France.

$8 50 per 100—Bar. de Rothschild, Bride, Gen. Jacq., Reine Marie Henrietta, Safrano.

$9.00 per 100—Bon. Silene, Capt. Christy, Crimson Rambler, Duch. of Albany, La Reine, L. V. Hontte, Lux. Moss, M. P. Wilder, Marg. Dickson, Ulrich Brunner.

$10.00 per 100—Alf. Colomb, Anne de Diesbach, Belle Siebrecht, Cecile Brunner, Etoile de Lyon, Gen. Washington, Jules Finger, Coq. de Blanches, Eli Lambert, Dinsmore, Countess Frigneuse, Dr. Grill, Francisca Kruger, Isabella Sprunt, Jas. Nabonnand, Princess Bonnie, Lady Penzance, Lord Penzance, Magna Charta, Mrs. Laing, Niphetos, Paul Neyron, Perle des Jardins, Prince Camille de Rohan, Sou. de la Malmaison, Sou. du Pres. Carnot, Vis. Folkstone, Waban, White La France, Wichuraiana, Yellow Rambler, John Hopper.

$15.00 per 100—Bridesmaid, Cath. Mermet, Cloth of Gold, Cbg. Wootton, Golden Gate, Glorie de Dijohn, Kaiserin Aug. Vic., Laurette, Maman Cochet, Mme. Watteville, Mar. Niel, Papa Gontier, Crown Princess Victoria, Gen. Robt. E. Lee.

$25.00 per 100—Climbing Kaiserin.

We can spare a few hundred La France "xxx" at $10.00, which we consider the finest stock of this sort ever offered in the United States.

We have a grade of La France which will run about 15 to 18 inches, nice, symmetrical plants, at $7.50 per 100, $75.00 per 1000. We will deliver to any point in U. S. by express prepaid, 1000 of this grade for $90.00.

Our Japanese Iris are grown from bulbs of our own importation, and comprise the best sorts grown in Japan. $8.00 per 100.

THE CALIFORNIA ROSE CO.,

LOS ANGELES, CAL.

IRISH AND SWEDISH **Juniperus**

	100	1000
6 to 9 inches, transplanted.....	$ 5.00	$40.00
9 to 12 " "	6.00	50.00
12 to 15 " "	7.00	60.00
15 to 18 " "	8.00	75.00
18 to 24 " "	10.00	
24 to 30 " "	13.00	
30 to 36 " "	15.00	
15 to 18 Savin Junipers.....	6.00	

Rooted Cuttings ready May 20.

Roses, clean, healthy plants from 2-inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, Bridesmaid, La France, Albany, Wootton and Testout. One year old dormant pot grown Wootton, $5.00 per 100. Ismen Calathinum white summer blooming Amaryllis, strong bulbs, first size, $12.50 per 100; second size, $10.00 per 100.

JOSEPH HEINL, Jacksonville, Ill.

IF YOU ARE STUCK, ORDER OF K. BROS. CO.

IF WE CAN NOT FILL YOUR ORDER IT IS NOT TO BE HAD.

WHEN OTHERS FAIL TO FILL YOUR ORDER GO TO K. BROS. CO.

CERISE QUEEN, $2.50 per 100; $20 per 1000.

Carnation Cuttings.

WE

Are the Oldest and Most Reliable Cut Flower Commission House in the West.

KENNICOTT BROS. CO.

42=44 E. Randolph St.,
CHICAGO.

GOMEZ, $5 per 100; $40 per 1000. MACEO, $6 per 100; $50 per 1000. G. H. CRANE, $6 per 100; $50 per 1000.

GLACIER, $6 per 100; $50 per 1000. AMERICA, $5 per 100; $40 per 1000. GOLD NUGGET, $4 per 100; $30 per 1000.

MRS. BRADT, $5 per 100; $40 per 1000. WHITE CLOUD, $4 per 100; $30 per 1000.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The following are the official scores for Monday evening, February 19:

Player	1st	2d	3d	4th
Burns	152	95	140	137
Hafner	131	125	116	101
Shaw	115	95	109	101
Marshall	88	136	136	138
Lang	147	121	142	153
Siebrecht	116	131	108	101
Donlan	137	116	125	112
Traendly	97	141	151	118
Steffens			138	143

At St. Louis.

A. L. Vaughan, of Chicago, was a participant in last Monday's contest and made the high score. The record is as follows:

Player	1st	2d	3d	4th	Av
A. L. Vaughan	159	190	145	137	157
Kuehn	139	161	146	175	155
Beneke	163	130	125	156	144
Kunz	131	169	112	148	140
Sanders	158	107	130	152	137
Weber	153	113	127	136	132
Schray		113	115	134	121
Fillmore		110	117	114	114

J. M. H.

At Flatbush.

Thursday evening of last week was one of great jubilation at the bowling alleys, a telegram having been received from Eugene Dailledouze conveying the news of his success in the exhibition, and the brothers opening up in royal style to celebrate. John Raynor brought a new ball, which he had won in a progressive euchre contest. It proved to be a mascot, whether in the hands of Louis Schmutz, Alf. Zeller or its owner, and made scores all the way from 170 to 190 every time.

With Philadelphia Gunners.

The last shoot of the series of four between members of the Florists' Gun Club for a club trophy was held on their grounds at Wissinoming February 13. A more disagreeable day for the shoot could not be imagined. Rain fell in torrents and the wind blew a gale almost the entire time the shooting was in progress. In spite of the disagreeable weather, however, there were some really good scores made. W. K. Park broke 22 out of 25 at known angles and at unknown angles, where the wind was blowing the strongest, he broke 24 out of 25, winning the trophy for the series with nine points; Parsons second, with eight points, and Bell third, with seven points. The conditions of the shoot were fifty targets per man, twenty-five known and twenty-five unknown angles, handicap added to the score. The summary follows:

	Known angles.	Unknown angles.	Hdp.	Total.
Coleman	20	23	8	51
McKaraher	20	16	14	50
Park	22	24	4	50
Dorp	19	16	12	47
Parsons	19	21	7	47
Bell	21	19	6	46
Barrett	16	18	11	45
Hayward	20	21	0	41
Westcott	20	7	10	37

Points won in the four shoots: Park, 9; Parsons, 8; Bell, 7; McKaraher, 6; Dorp, 6; Coleman, 6; Barrett, 6; Westcott, 5; Anderson, 3; Colflesh, 3; Cartledge, 2; Harris, 2; Webster, 1.

At Chicago.

The bowlers have been inactive of late but propose to resume regular practice in the near future. The florists have dropped out of the America league, in which they made no creditable showing, because the alleys are so far out from the business district that it was impossible to get a representative team together there.

On next Wednesday evening, February 28, the Florists' Club will entertain the ladies at Kinsley's at 8 p. m. Four alleys have been engaged for the evening, two for the use of the guests and two for a match game between teams representing the wholesalers and retailers. Prizes will be awarded. Tickets of admission will be supplied to all club members.

At Philadelphia.

Bowling still goes on merrily n the contest for places on the team for next August. W. K. Harris has an average of 155 for thirty-five games, with John Westcott something over 160 for seventeen games. When such old war horses set such a pace as this it is hard for the youngsters to keep up with them.

A match game was played February 16, by the first team, with the team of the Century Wheelmen, the strongest in the city. It was a return match, they having been defeated on our alleys about two weeks ago The score of last Friday's game, which follows, will give some idea of how they can bowl and what our boys were up against. An average of 157½ will win most games but 172 is considerably better and this is what the Century boys had to their credit when the game was finished. The rubber will be rolled on neutral alleys in the near future and should our boys win, they can claim the championship of Philadelphia. The score:

FLORISTS.				CENTURY WHEELMEN.			
Brown	156	151	181	Mooney	198	201	195
Connor	153	136	152	George	134	174	144
Hamilton	180	159	179	Keeler	152	151	167
Johnson	137	159	157	Fetler	161	176	149
Starr	174	164	151	Fairly	166	177	187
Moss	160	152	131	Warker	184	203	182
	960	921	951		995	1082	1024

K.

WOLLASTON, MASS.—Fire did $500 damage to the greenhouse of Samuel Brown on the morning of February 14.

RAYMOND, N. H.—The greenhouses of J. A. Littlefield were submerged during the recent freshet. The fires were extinguished aud the plants frozen, causing a damage of several hundred dollars.

ATHOL, MASS.—The greenhouses of James Sutherland were completely under water during the recent freshet and the contents, including many thousands of lettuce plants, were totally destroyed. This is Mr. Sutherland's third severe misfortune within a short time. The hail storm of last June smashed most of his glass and a previous freshet did great damage.

"A WINK IS AS GOOD AS A NOD, TO A BLIND HORSE."

The Cut Flowers we offer to the trade are at all times equal to any in the market. They are handled rightly--sold justly--billed correctly and shipped promptly, to all.

If not now a customer, we invite you to become one.

Fancy long American Beauties this week—enough for all.

E. C. AMLING,
32-34-36 Randolph St.,
WALTER S. HEFFRON, MGR. ...CHICAGO, ILL.

We are Sole Chicago Sales Agents for E. G. Hill & Co's fine Flowers.
Write for our weekly Price List.

WIETOR BROS.
51 Wabash Ave., CHICAGO,
WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY

30-36 in. stem	per doz.,	$7.00	
24 "	"	5.00	
20 "	"	3.50	
15 "	"	2.50	
12 "	"	1.50	
8 "	"	1.00	

METEOR	per 100	$5.00 to 10 00
BRIDESMAID	"	6.00 to 8.00
BRIDE	"	6 00 to 8.00
PERLE	"	4.00 to 6.00
CARNATIONS	"	2.00 to 3.00
" Fancy	"	4.00

Quotations subject to change without notice. All other stock at lowest market prices.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Gov. Griggs	2.00	15.00
Hector	3.00	25.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

ROSES.	100	1000
American Beauties	$3.00	$25.00
Brides	1.50	12.50
Maids	1.50	12.50
Meteors	1.50	12.50

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Jubilee	2 00	15.00
Bon Ton	2.00	15.00

Crimson.	100	1000
Gen. Maceo	$6.00	$50.00
Gen. Gomez	6.00	50.00
Evanston	2.00	15.00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00
Sandusky	3 00	25.00

Yellow.	100	1000
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.	100	1000
Argyle	$1.50	$12.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

NEW CARNATION ESTELLE

Certificated by A. C. S., Chicago and Cincinnati.

A bright, illuminating scarlet of excellent form, stem strong and stiff, holding flower gracefully erect, a little short, same as Tidal Wave, after lifting, but attains a length of 12 to 16 inches by December; a FREE, EARLY, CONTINUOUS bloomer. Stock is limited, and Cuttings are all sold for February to March 15th delivery.

PRICE $10.00 PER HUNDRED; $75.00 PER THOUSAND.

Crane, America and others. Send for price List.

Note our Address has been changed to Station F, Cincinnati, O.

Olympia	$12.00	per 100;	$100 00 per 1000
Mrs. T. W. Lawson	14.00	"	120 00 "
Ethel Crocker	10.00	"	75.00 "
Genevieve Lord	10.00	"	75.00 "

R. Witterstaetter,
Station F. CINCINNATI, O.

Carnation Cuttings.

MRS. LAWSON	$14.00
G. H. CRANE	5.00
AMERICA	3.00
MELBA	3.00
LESLIE PAUL	3.00
GOV. GRIGGS	3.00
MRS. BRADT	3.00
FRANCES JOOST	2.50
EVANSTON	2.50
JUBILEE	2.50
VICTOR	2 00
WHITE CLOUD	2.50
FLORA HILL	2.00
GOLD NUGGET	2.00
TRIUMPH	2.00
DAYBREAK	1.25
ARGYLE	1.25
ARMAZINDY	1.25
LIZZIE McGOWAN	1.00
EVELINA	1.00
MAYOR PINGREE	1.00
WM. SCOTT	1.00
NIVEA	1.00
MORELLO	1.00

10 PER CENT. DISCOUNT ON THOUSAND LOTS.

ROSE CUTTINGS.

METEOR	per 100,	$1.50
BRIDESMAID	"	1.50
PERLE	"	1.50
BRIDE	"	1.50
GOLDEN GATE	"	2.50

Write for prices for large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG,
51 WABASH AVE., CHICAGO.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

PERU

A New
Pure Glistening White

CARNATION

Well Tested,
Has Proved a Great
Success
Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.
$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,
1730 W. 107th St., Station 48, CHICAGO, ILL.

Please mention the American Florist when writing.

New Carnations.

12 NOVELTIES of 1900.
27 of the best STANDARD VARIETIES.

Send for price list.

Geo. Hancock & Son, Grand Haven, Mich.

Please mention the American Florist when writing.

St. Louis.

STATE OF THE MARKET.—ROSES MORE ABUNDANT.—A LARGE WEDDING DECORATION —NOTES.

The warm weather of the past few days, coupled with slow demand, has had a tendency to increase the supply of Bridesmaids, Brides and Meteors and to lower prices. Roses are bringing from $4 to $8 per hundred, carnations from $1.50 to $2 50. Lily of the valley, Romans and jonquils remain about the same as last week. Violets have a lower tendency. American Beauties remain scarce; what few there are command a high price.

C. Young & Sons Co. have about the largest order of the season in the Smith-Platt wedding. They expect to use over 2000 Bridemaid roses in the table and house decorations.

Visitors: A. L. Vaughan, Chicago; George A. Kuhl, Pekin, Ill. J. M. H.

Cincinnati.

Flowers of all kinds are coming in a little more plentifully; at least some roses are now to be had at the wholesale houses. This article has been very scarce here of late. Bulbous stock is increasing in quantity and prices are decreasing accordingly. It seems as though calla lilies have become more popular this season for they have been selling readily at fair prices. Violets are in great supply and sell at 50 cents per hundred for choice.

Our representatives came back from Buffalo well pleased with the carnation meeting and the treatment they received there. H. SCHWARZ.

DAYTON, O.—The Dayton Paper Novelty Company recently suffered a serious fire, which is handicapping them in the delivery of orders. Of the stock destroyed there were 150,000 boxes ready for shipment to the Good & Reese Co., of Springfield.

AURORA, ILL.—F. F. Smith, formerly of the Sixty-seventh street greenhouses at Englewood, is now with his son, W. L. Smith, here. Mr. Smith was formerly in the plow business and is the inventor of the first plow made that would scour in prairie soil. He has just made a lot of models for Deere & Co., Moline, Ill., and is at present engaged on a new sulky plow he has invented and which he believes to be a world beater.

MANETTI STOCKS FOR GRAFTING

We have received advices from one of our European Growers of a consignment of a limited number of these, to come on steamer arriving this week. We offer same at following prices:

In lots of 1000, $12.00 per 1000.
In lots of 2500, $10.00 per 1000.
In lots of 5000, $ 9.00 per 1000.

HENRY A. DREER,
714 Chestnut St., Philadelphia, Pa.

MANETTI AND MULTIFLORA
.....STOCKS, X FINE,
$12.00 per 1000.
Send for Wholesale List.
THE ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.

"MACK RICHMOND"
The Red Carnation. A Sport from Tidal Wave.

We know there have been many red sports from Tidal Wave, but we claim that this one is the premier of its class.

We have grown it for three years, and under the careful selection of our foreman, Mr. Mack Richmond, it has improved each year.

It is not the only red, nor is it the largest, but it will outbloom any carnation ever grown by us, and we have grown a few.

The flowers are borne upon strong, stiff stems, never bursting, entirely free from rust and a splendid grower. Come and see it growing--it may astonish you.

NOW READY; $6 per 100, $50 per 1000.

HALLIDAY BROS., 11 East Baltimore Street, BALTIMORE, MD.

THE IDEAL PINK CARNATION **Genevieve Lord**

Fills the bill. The ladies declare it is just right in color. We claim it has the best stem of any Carnation. That it will rank very near the top in size. That its odor is very sweet. That it is the most profitable Carnation we ever grew. That it has an individuality all its own. Customers recognize it at a glance. There is not a great deal left that is wanting in this variety. If you want to make money, plant it. But don't delay, for stock for delivery prior to March 20 is all sold. It is an easy, rapid grower, however, and the April and May deliveries will make large, fine plants. Some of the finest plants we have are from cuttings from sand planted in the field June 1st. Remember all sold until March 20th. If you wait too long the chances are that we will be sold out of stock. Make yourself safe by ordering at once.

PRICE
$2.00 per Dozen,
$10.00 per 100,
$75.00 per 1000.

H. WEBER & SONS,
OAKLAND, MD.

Our catalogue is now ready; in it are listed the above as well as all the new "big ones" at introducers' prices, all the best standard sorts, and a complete list of chrysanthemums, novelties and standard sorts.

A FEW THOUSAND
Fancy Leaved Caladium
AT LESS THAN REAL VALUE.

Among the above are some fine Brazilian varieties and very choice other kinds of all shades, named, and some under number. Address for particulars,

F. J. ULBRICHT,
Lock Box 655. ANNISTON, ALA.

Carnation Cuttings.
IN GOOD CONDITION FROM GOOD STOCK.
Write for prices.
Huntsman & Company
CINCINNATI.

ALTERNANTHERAS,

	Per 100
Red and Yellow, from 2-in. pots	$1.25
Red and Yellow, Rooted Cuttings	.50
COLEUS, mixed, Rooted Cuttings	.60
FUCHSIAS, from 2-in. pots, mixed	1.25
FUCHSIAS, Rooted Cuttings	.75
VIOLETS, Marie Louise, Rooted Runners	.50
BOSTON FERN, nice 3-in	7.00

J. W. DAVIS, MORRISON, ILL.

Please mention the American Florist.

ETHEL CROCKER,
.....$10 PER 100.

	Per 100	Per 1000
AMERICA	$5.00	$40.00
G. H. CRANE	6 00	50.00
FLORA HILL	1.50	10 00
WHITE CLOUD	3 50	30.00
MRS. JOOST	2.50	20.00
DAYBREAK	1.50	10.00
VICTOR	1.50	12.50
BRADT	5.00	40.00

GRAFTED ROSES, LIMITED SUPPLY.

H. F. LITTLEFIELD,
WORCESTER, MASS.

Alphonse Ricard, Poitevine, Pres. Dubois, Prof. Poirault, J. D. Cabos, Mme. Jaulin, E. G. Hill, Louis Fages, Chaplin, LaFavorite, Nutt, Rassall Improved John Doyle, etc., or mixed, 2¼-inch, $3 00 per 100.

Cinerarias for Easter, out of 3-in cb, $3 00 per 100. Stocks Ten Weeks, German, white or mixed, 2¼-inch $1 50 per 100. Shellroad Greenhouse Co., GRANGE P. O., Baltimore, Md.

CARNATIONS.

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY.

G. H. Crane, Morning Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts.

Mrs. Geo. M. Bradt for March Delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. Dorner & Sons Co.,

LAFAYETTE, IND.

100,000 R. C--No Discount.

CARNATIONS, Ready.

	Per 100
Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10.00
Olympia, variegated	12.00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	5.00
America, scarlet	4 00
Melba, light pink	3.00
Mrs. Geo. M. Bradt, variegated	3 00
Glacier, white	3.00
Maud Adams, dark pink	3.00
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3.00
Argyle, pink	1.50
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1.00
Flora Hill, white	1.25
White Cloud, "	2 50
Mary Wood, fine white	3.00
Jubilee, scarlet	1.25
Psyche, variegated	1.00
Morello, dark scarlet	1.00
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

.....It's a "CATBIRD"

Was the exclamation of one of the best growers in the west when he discovered this sport, four years ago. By carefully handling it, and not over-propagating it, we are now able to offer to the trade a clean, healthy stock of the best

Red Carnation

On the market, for both grower and retailer. Not quite as large as Crane or Jubilee, but an intense red, on long, stiff stems, averaging **Sixty-five Blooms** to the plant. Received honorable mention at the Carnation show in Chicago January 19. Rooted Cuttings, $2.50 per 100; 2-in. pots, $3.50 per 100.

LAKE GENEVA FLORAL CO.,

LAKE GENEVA, WIS.

THE GREAT AND ONLY

EXCLUSIVE CARNATION SPECIALISTS.

CUTTINGS NOW READY.

	Cuttings. Per Doz.	Per 100	Per 1000.
Genevieve Lord, the peer of any light pink carnation offered	$2.00	$10.00	$75.00
Chicago, scarlet Bradt	1.50	7.50	60.00
Mrs. Lawson, cerise pink	3.00	14.00	120.00
Olympia, variegated	2.00	12 00	100.00
Ethel Crocker, pink	1.50	10.00	75.00
Marquis	2 00	10.00	75.00

	Cuttings. Per 100	Per 1000
Frances Joost pink	$2.50	$20.00
Mrs. Jas. Dean pink	2.50	20.00
John Young, white	2.50	20.00
White Cloud, white	4.00	30.00
Mrs Bradt, variegated	5.00	40 00
Gen. Maceo, crimson	6 00	50.00
Gen. Gomez, crimson	6.00	50.00
G. H. Crane, scarlet	6 00	50.00
Gold Nugget, yellow	2.50	20.00

	Cuttings. Per 100	Per 1000
Argyle, carmine	$2.50	$20.00
Jubilee, scarlet	2.00	15.00
Armazindy, variegated	2.00	15.00
Evelina, white	2.00	15.00
Wm. Scott, pink	2.00	15.00
Victor, pink	2.00	15.00
Daybreak, light pink	2.00	15.00
Flora Hill, white	2.00	15.00

☞ We have shipped 100,000 cuttings this season without a kick.

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1 00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

AMERICAN BEAUTY.....per 100, $3.00; per 1000, $25.00.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50

	Per 100	Per 1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

SPECIAL PRICE ON LARGE LOTS.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

WELL-ROOTED

CARNATION CUTTINGS

Strictly First-class Stock from Our Own Greenhouses.

	Per 100
Wm. Scott, Edith Foster, Daybreak, Freedom,	$1 00
Mrs. Frances Joost	2.50
Flora Hill	1 50

Ready now. Orders booked for future delivery from sand or soil

N. F. McCARTHY & CO.,

84 Hawley St., BOSTON, MASS.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

ROOTED CUTTINGS OF NEW AND STANDARD

CARNATIONS

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Pa.

Please mention the American Florist when writing.

VERBENA KING.

The largest Verbena grower in the world (Bros. & Sisters); we have them, too, the very best mammoth named vars. on earth and sure to please you at the following prices—60c. per 100, $5.00 per 1000; 5000 for $22.00, 10,000 for $40.00. Write for prices on larger lots.

Look here! we pay express charges on all Rooted Cuttings, and beside, we guarantee satisfaction in every shape or manner and we will do it for

Carnations-Rooted Cuttings.

Flora Hill—$1.50 per 100; $14.00 per 1,000.
Lizzie McGowan—$1.00 per 100; $9.00 per 1,000.
Wm. Scott—$1.00 per 100; $9.00 per 1,000.

AGERATUM—Cope's Pet, blue; Lady Isabel, white; 60c per 100; $5.00 per 1,000.

COLEUS Twenty best named vars., including C. Verschaffeltii and Golden Bedder, all money makers. R. Cuttings, 70c per 100; $6.00 per 1,000.

DAISIES California, White, Yellow Castle, Yellow, the best all-round Daisies, both stand the heat and dry weather. Well-rooted Cuttings, $1.00 per 100; $9.00 per 1,000; 2 in. strong, $2.00 per 100. Send for list. THAT CASH, PLEASE.

We pay the express on all Rooted Cuttings. Our guarantee goes with everything we send out.

C. Humfeld, Clay Center, Kans.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

New Orleans.

NO SPRING FLOWER SHOW IN THE CRESCENT CITY.—STATE FAIR ASSOCIATION TO AWARD FLOWER PREMIUMS.—FLOWERS COME FROM THE NORTH.

At the last meeting of the horticultural society the committee of arrangement for the spring show was discharged, it being decided that our only exhibition of plants will be in connection with the Industrial State Fair, which is going to open at the fair grounds on April 14. Prizes will be given by the association, the same as to any other exhibitors. The horticultural society will only award two gold medals, to the best displays of plants.

So far our winter has been very mild. Business has not opened yet. Most trees are now replanted to replace the loss of last season. People are realizing that nursery-grown trees are the only ones to be depended on. So far they have been using swamp trees, which gave poor satisfaction. Our soil is low and many species of trees don't stand when old. On some of our principal avenues most of the oaks and elms have died. Old age is the cause and not electric wires or digging around the roots, as some people believe.

Our gardens are without flowers and any kind of decoration or funeral design has to be made with northern material. The Mardi Gras is coming and with all the festivities around that time we will have to get a good supply of roses and carnations from the north. M. M. L.

MATTITUCK, N. Y.—T. E. Reeve & Son have made a considerable success of cauliflower, lettuce and radishes for the New York market. They now have 4,000 cauliflower under glass which they expect to bring from $3.50 to $4 50 per dozen.

The New Pink Carnation

"MRS. BERTRAM LIPPINCOTT"

SCORED 86 POINTS

And secured the Certificate of Merit at the Carnation Growers' Convention held in Buffalo February 15th and 16th, 1900 We are still booking orders for immediate delivery of fine healthy rooted plants as long as the stock lasts.

ORDER AT ONCE If you want the VERY BEST LIGHT PINK CARNATION

Now on the market. The grower (Mr. Kuhn) may not have enough to go around, judging by the demand.

$10 per 100, 25 and over at 100 rates

$75 per 1000 250 and over at M. rates

For sale only by

HENRY F. MICHELL

1018 Market St., PHILADELPHIA.

New Crop

WINTER-BLOOMING CARNATION SEEDS

Hand fertilized, 25c per 100. Cash with order.

AMERICAN ROSE COMPANY, Washington, D. C.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List. Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO VAUGHAN'S SEED STORE NEW YORK

When writing mention the American Florist

ROOTED CARNATION CUTTINGS

Our Carnation Cuttings are made from selected stock and are guaranteed free from disease, and first-class in every particular. Prices are as low as good stock can be produced for.

	Per doz.	Per 100	Per 1000
MRS. THOS. W. LAWSON, Cerise Pink	$3.00	$14.00	$120.00
Olympia, variegated	2.00	12.00	100.00
Ethel Crocker, pink	1.50	10.00	75.00
Genevieve Lord, light pink	2.00	10.00	75.00
Chicago, Red Bradt	1.50	7.50	60.00

	Per 100	Per 1000
Gen. Maceo, crimson	$6.00	$50.00
Geo. Gomez, crimson	6.00	50.00
G. H. Crane, scarlet	6 00	50.00
America, scarlet	5.00	40.00
Mrs. G. M. Bradt, variegated	5 00	40.00
White Cloud, white	4.00	30.00
Evanston, deep pink	2 50	20.00
Mrs. Frances Joost, pink	2.50	20.00
Mrs. James Dean, pink	2.50	20.00
Gold Nugget, yellow	2.50	20.00
John Young, white	2.50	20.00
Jubilee, scarlet	2.00	15.00
New York, deep pink	$2.00	$15 00
Victor, pink	2.00	15.00
Flora Hill, white	2.00	15.00
Triumph, pink	2.00	15.00
Argyle, pink	1 25	10.00
Armazindy, variegated	1 25	10.00
Daybreak, light pink	1.25	10.00
Evelina, white	1.00	7.50
Lizzie McGowan, white	1.00	7.50
Wm. Scott, pink	1.00	7.50
Portia, red	1.00	7.50

HOLTON & HUNKEL CO., MILWAUKEE, WIS.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With 18 000 stock plants to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000. Price list of standard vars. ready now.

ALBERT M. HERR, Lancaster, Pa.

CARNATION CUTTINGS.

We have all the new and standard varieties.

Write for prices.

WEILAND-RISCH FLORAL CO., Evanston, Ill.

CINCINNATI IS HEADQUARTERS FOR CARNATION CUTTINGS.

We have them in both Quality and Quantity.

200,000 in sand and soil to back up what we say. Send a list of your wants and let me price it.

WHOLESALE LIST READY.

WM. MURPHY, Carnation Specialist, - - - Station F, Cincinnati, O.

ROOTED CUTTINGS

Nice, Clean Stuff, and Well-Rooted.

Verbenas, 75,000 now ready, twenty-six varieties.....100, 60c.; 1000, $5.00; 5,000, $25.00
New Daisies, (or Marguerites), the best that have ever been introduced. Try a few of them and find out for yourself.
Carl Poehlman—the new yellow ever-blooming Paris Daisy.....Doz., 25c.; 100, $1.25
Madame Farlaiellon—bright, silvery-green foliage, white flowers, very dwarf grower Doz., 25c.; 100, $1.25
Madame Gailbert—large white petals, yellow disc. Nothing can be imagined that is finer Doz., 25c.; 100, $1.25
New Salvia Yellow Bird—bright yellow foliage, bright scarlet flowers, Doz., 20c; 100, $1; 1000 $9.
Salvia Hahaid—This is more dwarf and much better than Old Splendens. Doz., 20c; 100, $1.00; 1000, $9.00
Geranium—Mme. Salleroi....100, $1.25; 1000, $10.00
Ageratum—Princess Pauline Doz., 20c.; 100, $1.00; 1000, $9.00
Coleus—Golden Verschaffeltii, Scarlet Verschaffeltii, Fire Brand, Tam O'Shanter, South Park Gem, Alhambra, Fire King, Golden Crown, Midnight, Salvator, John Goode, Spotted Gem, Combination, Mrs. F. Sanders, Nigger, Queen of the West, Beckwith's Gem,...100, 70c.; 1000, $5.50; 5000, $25; 10,000, $45.
Heliotropes—three fine varieties. Doz., 20c.; 100, $1.00; 1000, $9.00
Manettia Vine.....Doz., 25c.; 100, $1.25; 1000, $11.00
Alyssum—New Double Grant. Doz. 20c.; 100, $1.00; 1000, $9.00
Abutilon—Souv. de Bonn.....Doz. 20c.; 100, $1.25
" Savitzii.....Doz. 40c.; 100, $2.50

Send for Price List.

I pay Express charges and guarantee to please you in every way.

S. T. DANLEY, MACOMB, ILL.

New Ever-Blooming Geranium

AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gloire de Lorraine.

Floriferousness Phenomenal

Strong plants, 50c each; $5.00 per doz.

MARS 2¼-inch pots. $5.00 per hundred.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden, Southey, etc., for $2.00. One America free with each set. Plants guaranteed A1 in every respect. CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa.

CHAMAEROPS EXCELSA

Showing character leaves, in 2½-in. pots, ready to be planted in 4-in., $8 per 100; $70 per 1000. Larger, 4 5 feet, $10 a doz., $75 per 100.

PHOENIX CANARIENSIS, 2-in. pots, $6 per 100; $50 per 1000 Larger specimens of Chamaerops and Phœnix up to 15 feet high, $10 to $25 apiece.

CASH WITH ORDER, PLEASE.

A. ROEDDER, Shorb, Cal, near Los Angeles.

CANNAS

The 3 Best Solid Red Cannas.

BLACK PRINCE.....$10 00 per 100
PHILADELPHIA..... 4.00 per 100
DUKE OF MARLBORUGH, 4.00 per 100

BOSTON FERN, strong 2½-in. plants, $5.00 per 100.

The Conard & Jones Co., West Grove, Pa.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Please mention the American Florist when writing.

CHOICE GALAX, Green and Bronze. 50 cents per 1000.

CHOICE LEUCOTHOE, Bronze and Green, $1.75 per 1000. Orders from cold storage. Cash with order or satisfactory references.

W. H. Williams Bro., Victoria, Macon Co., N. C.

Golden Gate Rose

WINS THE LEAD.

As the largest growers of this rose in the world we offer two-eyed **ROOTED CUTTINGS** at **$2.50 per 100** by mail and we pay the postage. Large contracts solicited.....

Send for circular..... **AMERICAN ROSE COMPANY, Washington, D. C.**

American Beauties.

ORDERS RECEIVED NOW for Young Plants; will be ready April 1st.

2x3-inch pots, $6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK, - Wyncote, Pa.

Grafted Roses A NO. 1 STOCK

ORDERS BOOKED NOW.

BRIDE, BRIDESMAID, GOLDEN GATE, KAISERIN, METEOR—2½-in. pots, $12.00 per 100, $90.00 per 1000.

Own Roots WOOD FROM GRAFTED STOCK ONLY.

BRIDE, BRIDESMAID, KAISERIN, METEOR, BON SILENE—2¼-in. pots, $3.50 per 100, $30.00 per 1000; 3-in., $6.00 per 100, $50.00 per 1000.

GOLDEN GATE, AM. BEAUTY—2¼-in. pots, $4 00 per 100; 3-in, $7 00 per 100.

S. J. REUTER, Westerly, R. I.

Following **ROSES**

in 2 and 2½-inch pots, now ready to ship.

Perles, Woottons, Kaiserins, Malds, Beauties.

Those in 2½-in. have been shifted from 2s and are about ready for 3s.

A special in **BOSTON FERNS** in 5-in. pots. Write

GEO. A. KUHL, Pekin, Ill.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

SMILAX FROM FLATS

By mail, 50c per 100; $4 00 per 1000.
2-in. pots, $1 50 per 100; $13 00 per 1000.

Geraniums, 2-in. pots... $2 25 per 100; $20.00 per 1000.
Hydrangeas, 3-in. pots, $5 00 per 100; 4-in pots, $10.00 per 100
Canna Clumps.....$3 00 per 100

Send for Samples. Cash with the order.

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CINERARIAS

500 Dreer's prize mixed Cinerarias, well grown and in excellent condition, just right for Easter flowering.

All in 5-in. po's at $10 per 100.

MANGLESDORF BROS. CO. Atch'son, Kans.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,

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A few of the larger sizes on hand for immediate delivery.

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P. O. Address for the time being:

Money Order office same as heretofore, **Chestnut Hill (Sta. H.) Phila., Pa.**

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ASPARAGUS SPRENGERI, fine plants, 2½-in. pot .....$4 per 100
NEW FORGET-ME-NOT. Sutton's Gems, large plants ready to bloom .....$5 per 100
DAHLIAS, named sorts, field roots.....$4 per 100
BEGONIAS, (tuberous) single.....$2 per 100
GLOXINIAS, fine strain.....$3 per 100
GLADIOLI, fine mixture, 2d size .....$4 per 1000

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Orchid Growers and Importers.

PANSIES. Per 100

Large-flowering strain.....1000, $2.50, $ .50
OXALIS floribunda, 2-inch pots..... 2 50
ALTERNANTHERA, yellow 1.75
ALTERNANTHERA, red 2 00
GERANIUMS, 16 varieties, 2½-inch pots... 3.00

CASH WITH ORDER.

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Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

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Madison, N. J.

The Morris County Gardeners' and Florists' Society held its monthly meeting on February 14, all the officers and nineteen members being present. The members all expressed satisfaction at the elegant manner in which the "smoker" went off at the previous meeting and the committee was discharged with thanks. A debate took place on the past and future of the rose and carnation and it was generally thought that more rapid strides had been made with the carnation than with the rose but it was hoped that the new American Rose Society would be able to strike the keynote of development, as the carnation society had done and is doing at the present. It was voted that $25 be appropriated for a prize for eighteen blooms of Bride and eighteen blooms of Bridesmaid (open class) to be competed for at the exhibition of the rose society in March. An offer of $15 was also received from F. R. Pierson Co., of Tarrytown, for a prize for twelve blooms of Col. D. Appleton chrysanthemum, to be competed for at our annual flower show in November. C. H. A.

Toronto.

The weather has been very dull and changeable the last week and consequently the quality of flowers is not fully up to the mark. Business continues good. Manton Bros. have erected a large house for violets, which is nearly completed.

The Toronto Horticultural Society's February meeting was well attended. Some excellent azaleas, primulas, hyacinths, freesias and flowering begonias were shown by Ernest Collins, of the Horticultural Gardens, who described the best methods of growing them. Wm. Jay showed and talked of cyclamens and George Mills lily of the valley. Some difference of opinion as to methods of growth among the professionals present led to considerable discussion of a very instructive nature. S. P.

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AZALEAS
ACACIAS
FERNS
FICUS
PALMS.
Begonia Gloire de Lorraine
EDGAR,
Write for prices. WAVERLEY, MASS.

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Yellow Queen, Mrs. Robinson G. Kalb, Merry Monarch, Maj. Bonnaffon, Lager, Golden Trophy, Ivory, Lady Playfair, R. C., 100, $1.00; 1000, $9.00; clumps, 100, $4 00. BEGONIA Rex, fine mixed R. C., 100, $1.50. VINCA VAR field clumps, 100, $4 00; 2-in. pots, $1 50. AGERATUM, dwarf or tall, 2-in. pots, 100, $1.50 cash.
H. DANN & SON, Westfield, N. Y.

ROSES, CLEMATIS, RHODODENDRONS, ETC.

ROSES, Strong 2 Year Field Crown.

	Per 100
Crimson Ramblers with 4 to 5 feet canes,	$15.00
Crimson Ramblers, 2d size, 2 to 3 feet canes	8 00
Yellow Rambler, two years	8.00
Hybrid Perpetual, in fine assortment	10.00
Wichuriana, Japan creeping Rose	6.00
Wichuriana Hybrids, 4 varieties	8.00
Tree Roses, fine heads	30.00

Liberty, new red forcing Rose, from 2½-in. pots, 12 plants at 60c each, 25 at 50c each, 50 at 30c each, 100 at 25c each.
General assortment of Everblooming Roses from 2½-in. pots, $3.00 per 100, $25 per 1000.

CARNATIONS, Rooted Cuttings.
Mrs. Thomas Lawson, $14 00 per 100. Ethel Crocker, $10 per 100. The Marquis, $10.00 per 100. Olympia, $12.00 per 100.

RHODODENDRONS.
Large stock of best hardy varieties 15 inches to 3 feet high, clean bright foliage and well set with buds, $45.00 to $150.00 per 100.

CLEMATIS.
Jackmanii, Henryi, Duchess of Edinburg, Ramona, and other large flowered varieties, strong two year plants, $20.00 per 100; strong three years $25.00 per 100.

AZALEA MOLLIS.
Strong, bushy plants well set with flower buds, $35.00 per 100.

Hydrangea Paniculata Grandiflora.
2½ to 3 feet, $10.00 per 100; tree form, 4 to 5 feet high, $25.00 per 100.

Fruit and Ornamental Trees, Shrubs, etc., in large assortment.

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CLEARING SALE.
Cyc'amen Persicum Splendens Giganteum finest strain in the world, in four true colors, (August sowing), transplanted twice, from flats, $2.50 per 100; $20.00 per 1000, from 2½-in. pots, $4.00 per 100; $35.00 per 1000, a few hundred plants left from 3½-in. pots in bud and bloom, $1 per doz; $8 per 100.
Chinese Primroses, (fringed foliage) no finer strain on the market, single and double in seven colors in bud and bloom from 2½-in. pots, $1.75 per 100, from 3-in. pots, $3.50 per 100, from 3½-in. pots $5.00 per 100. Cineraria Hyb. max. grandiflora, strong plants twice transplanted $1.00 per 100.
Rex Begonias, fine assortment, from 3-in. pots, $5.00 per 100. Pelargoniums, Mme. Thibaut, Mme. Vibert, Fred. Dorner, Dr. Masters, Victor, (rooted cuttings) mixed, $2.50 per 100, from 3½-in. pots, $1.00 per doz.; $8.00 per 100.
Cannas, (started from sand bed) ready March 15, Mme. Crozy, Bouvier, Queen Charlotte, Florence Vaughan, Austria, $3.50 per 100; $30.00 per 1000.
All the above warranted A No. 1 stock.
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Fine stock, 2¼-inch pots, Cyrtomium falcatum, $4.00 per 100; $35.00 per 1000. Pteris serrulata cristata compacta, $3.50 per 100; $30.00 per 1000. ☞Special prices on large quantities.
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600 Cyclamen Persicum Giganteum
In bud and bloom, all excellent plants at $12.00 per 100.
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List No. 2, very choice assortment in 10 varieties, some of the best of the new Brazilian sorts, $10.00 per 100, or 100 of each list, 20 named varieties, for $15.00.
OAK GROVE NURSERIES, Seven Oaks, FLA.

PRIMULAS AND VINCAS, ETC.

	Per 100
4-inch pot Vinca Vines	$6.00
3-inch pot Vinca Vines	4.00
2-inch pot Vinca Vines	2.50
Rooted Cuttings Vinca Vines, from flats	1.50
2-in. pot Primrose, in bud and bloom, ready to repot	2.00
2-in. pot Smilax	2.00

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WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
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GERANIUMS. A few thousand left, in 2¼-in. pots, at $30 per 1000; $3.25 per 100: S. A Nutt, LaFavorite, Richard Brett, Marguerite de Loys, Mrs. Jas. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson and Rose Geranium. Also Rose Geranium cuttings at $2 per 100.
Mme. Salleroi Geraniums in soil, $1.50 per 100; $12 00 per M
COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots $1.25 100.
AGERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1 00 per 100; 1¾-in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100.
HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot $1 50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½-in pots, $2 50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.
VINCAS, $1.25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M. Fine plants.
The above are rooted cuttings, except when noted.
CASH MUST ACCOMPANY ALL ORDERS.
J. E. FELTHOUSEN, Schenectady, N. Y.

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A most desirable new fern, now offered for the first time by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds, erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts; hard, and grows very freely from spores.

12 Fine Plants, 3 inch pots	$ 3.00
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Six latter mailed, $1. With balls of roots undisturbed.
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Perfection Winter-blooming Forget-me-not,	Per 100
from flats	$1.50
from 2¼-inch pots	2 00
from 2½-inch pots	2 50
Ageratum, white and blue, rooted cuttings	.75
" " " strong, from flats	1 00
" " " from 2 and 2¼-inch	1.50
Paris Daisy, white, strong, from flats	1 50
Double Alyssum, " " "	1.50

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NEW DAHLIAS
Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also High Grade Mixed Dahlias and Dahlias under Separate Colors.
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AZALEAS, best selling sorts in bud or bloom.

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Jersey Wakefield and other vars. from cold frames, transplanted, 25c per 100; $1.50 per 1000; $12.50 per 10,000. If by mail add 20c per 100.

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TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

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EGG PLANTS, New York Improved, for transplanting, 25c per 100; $2.00 per 1000.

CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.

Other vegetable plants in season. *Cash with order.*

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For 4-in., $2 00 per 100. Moonvines, Verbenas, Geraniums, etc. Send list of wants.

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CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes, } 100, 20.00
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Kaiserin A. Victoria, 2 year budded .... " 15.00	Hermosa, Own roots French grown ..... " 8.00
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Gen. Jack.	John Hopper.	Baron Bonstettin.	Paul Neyron.
Coquette des Alps.	Mad. G. Luizet.	Anna de Diesbach.	Magna Charta.
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RHODODENDRONS. For Easter forcing. Extra large plants 12 to 20 buds, John Walters, Kate Walters, Mad. Cravalho and Prince C. de Rohan, Each, $1.25. doz., $12.00.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

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300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

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Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000.

50,000 Verbenas, 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000. Strong, 2-in., $2.00 per 100; $18.00 per 1000; full of Cuttings, elegant stuff.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

Allyssum, strong 2-inch, 2 cents.

Geraniums, sweet-scented, strong 2½-inch 2½ cents; strong 2-inch, 2 cents.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.00 per 100.

Fuchsias. best sorts, $1.50 per 100. Vinca Major, $1.00 per 100.

Smilax, strong, 2½-inch, $1.50 per 100; 2-inch, $1.00 per 100; $8.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1 00 per 100.

Heliotrope, the choicest blue and white, rooted cuttings, $1 00 per 100.

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Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

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Asparagus Sprengerii.

Extra fine Stock from 3-in. pots, ready for a shift. $8.00 per 100.

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GEO. F. BRAYBON, L. B. 1176. **KENT, O.**

100,000 ROOTED CUTTINGS AND PLANTS Ready to Ship.

I guarantee everything I ship you to arrive safe. If not, return at my expense.

	Per 100
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Flora Hill, white	1 50
Maud Adams, dark pink	2.00
Mrs. F. Joost, pink	2.50
Mary Wood, best white	3.00
Mrs G. Bradt, best variegated	4 00
G. H. Crane, scarlet	5.00
Gold Nugget, best yellow	3.00
Clara Bedman Salvia	2.00
Geranium De Roo Mitting 2¼-inch	7.00
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Geranium Mme. Salleroi .... "	2.00
New Yellow Baby Primrose ..... "	7.00
22 Coleus, fine, named, new ..... "	4.00
20 Standard Coleus, named ...... "	1.50
30 Double Petunias, mixed ...... "	2.00
Primula Obconica, 3½-inch	2 50
Primula Obconica, 2¼-inch	2.00
Primula, Chinese, 2¼-inch	1.00
Primula, Chinese, in bud and bloom, 3½-in.	2.50
Primula, from flats, strong	.50
Velvet Plant	2.00
15 Begonias, flowering, named, 2¼-inch	1.50
Forget-Me-Not winter flowering, 2¼-inch	1.50
Iresines, 2 varieties, red and yellow, 2¼-inch	1.50
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Alternanthera, 3 varieties ...... "	1.50
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Vinca, variegated trailing .... "	2.00
Ferns, mixed, our selection, 2½-inch	5.00
Lobelia, Crystal Palace Gem. "	1 50

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400 ASPARAGUS PLUMOSA

Extra strong, 3-in., at $6.00 per 100; or will exchange for Begonias, Kaiserin and Perle roses, etc. Send list of what you have to exchange, with price : : : : : : : :

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PETUNIAS, DOUBLE FRINGED

A good collection of money-makers. Strong plants from 2-in. pots, $2.00 per 100.

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Denver.

TRADE GOOD BUT STOCK SCARCE.—THE BOWLERS REGALE THEMSELVES.—A NEW STORE.

Business has been unusually good for the past two weeks, with not enough stock to go around. Roses, especially, are off crop. The Gallup Floral Co., recently received a shipment of two dozen Beauties, which were the finest Denver has seen for years, perfect flowers with stems ten feet long.

The bowling club gave a luncheon and smoker February 9 to dispose of the surplus in the treasury. Some twenty of the boys sat down to a most substantial repast. The Park Floral Co. donated the decorations and A. M. Lewis acted as toastmaster.

Chas. Theiss has moved into his new store at 628 Sixteenth street. With the new fixtures the place is right up to date and one of the best locations in the city.

DENVER.

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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS- ENDORSED BY PROMINENT FLORISTS- USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT- 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN----CIRCULAR FREE-

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When used upon CARNATIONS, growers find that they "have larger and finer flowers, with stiffer stems."

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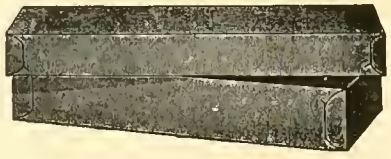

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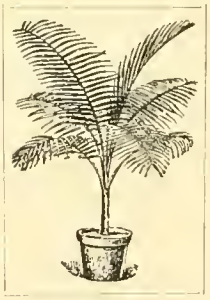
DAYTON, OHIO.



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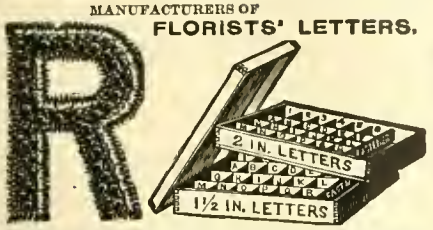

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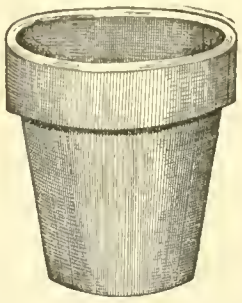

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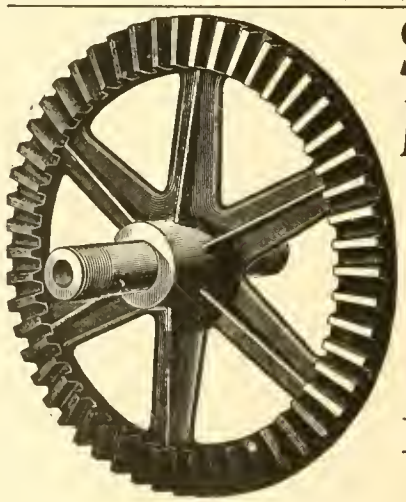

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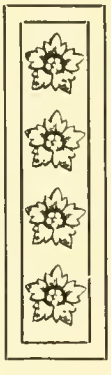

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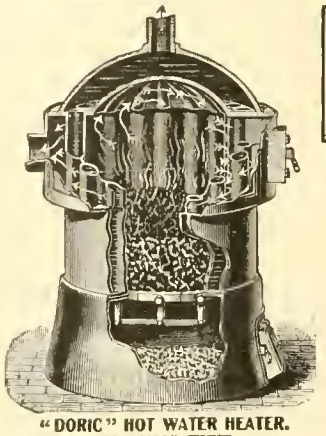

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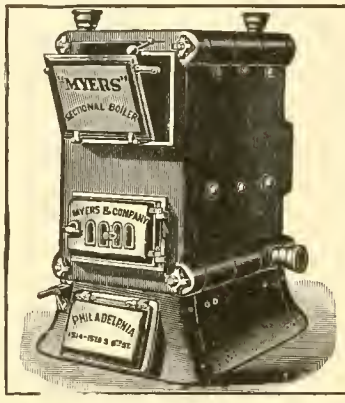

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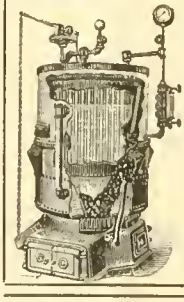

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800 3½ " "	5.80		24 11 " "	3.60
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Vol. XV. **CHICAGO AND NEW YORK, MARCH 3, 1900.** **No. 613.**

THE AMERICAN FLORIST

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Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Insects Infesting Carnations.

[Read at the ninth annual convention of the American Carnation Society, Buffalo, N. Y., February 15-16, 1900, by Prof. F. A. Sirrine, Jamaica, N. Y.]

Florists in general are not only familiar with all the insects infesting the carnation, but also with the whole category of remedies; hence, it appears like a waste of time to devote a few minutes to the above subject. Yet, when one can cull from florists' periodicals such statements as: "Lack of ventilation favors the development of the red spider;" or, "It resents light almost as much as fresh air;" also "Give as much fresh air as possible—that is what red spider does not like;" a few facts regarding the habits and life history of this and other carnation pests will bear consideration.

Before taking up the subject of habits and life history a portion of another statement requires notice. It is: "Water is the remedy for thrips or red spider. Select some bright morning and syringe heavily and later see that the roots of the plants never get dry, for drought at some time or other, or too much fire heat, is the source whence both pests originate." Note that the latter portion of this statement conveys the idea of spontaneous generation. The days of spontaneous generation, if they ever existed among insects, passed away long before Adam was a gardener. We often hear the expression "a new insect" used. A new creation is not intended by such a statement. This term is used either when a long established insect adapts itself to new conditions, or it has succeeded up to the present time in keeping out of the way of a "bugologist" with his long label and his still longer name with which he burdens it.

The insects infesting carnations may be separated for convenience into two groups: First, those which are nearly always to be found on the carnation, and, second, those which occur on the plants only occasionally, and then usually by accident. That is to say, we have resident and transient insect pests of the carnation. A subdivision of each of the above groups into "forcing-house" and "field" pests could easily be made, but all divisions are empirical and of value simply to avoid a discussion of each species alone. At this time only the "forcing-house" pests of the carnation will be considered.

In the first group may be classed the greenfly, red spider and thrips, while in the second group we have the cutworms, cabbage looper, an undetermined web-worm; the rose-leaf tyer, the chrysanthemum-leaf skeletouizer, Fuller's rose beetle, white grub, white ants and a few others.

The greenfly (Rhopalosiphum dianthi).—As the specific name indicates this aphid was first found and described as infesting dianthus. At present it might be called polyphagous as it is known to feed on nearly one hundred different varieties of plants.

This pest is so well known that a description is not needed, but a few words on habits will not be out of place. Plate I shows where they prefer to work on the carnation. Under natural conditions this species of aphid, like most other aphids which feed upon deciduous plants, deposits eggs late in the fall, in which form it passes the winter, but, under forcing-house conditions this habit is entirely lost. Instead of the young hatching from eggs, they are produced year after year by a process of internal budding which we call "agamic reproduction." That is, certain cells separate from the abdominal walls of the mother and develop the same as plant buds develop. These buds grow into small aphids and are deposited alive by the parent. No fathers are needed in this process and they are rarely produced. With one exception; viz., as far as known the greenfly never degenerates by being reproduced from buds, like strains of plants degenerate. We have the same kind of propagation in an insect as a florist practices with the variety or strain of a carnation. As most of you are aware, in the case of the greenfly this is not a slow process of reproduction. One mathematician has estimated that the offspring of an individual aphis can in one year amount to 210 raised to the fifteenth power, a number which is almost impossible to express in figures. If there were no checks to this method of reproduction "there would be room in the world for nothing else but aphids."

I have said that as far as known there is no loss of vitality on the part of the greenfly by the above method of reproduction. At times the older specimens, which usually live only about three weeks, become inert and reproduce very slowly. Whether this is due to exhaustion or is a provision to carry them through unfavorable conditions is not known. Possibly it is a form of hibernation. This much is certain—tobacco smoke will not kill these individuals and they will stand hydrocyanic acid gas better than will the plants. Conditions which bring about this inert state are exhaustion of the plant on which they

PLATE I.—Greenfly on carnations—Wingless adults and young on specimen at left, specimen to right showing winged adults with honey dew on wings and leaves.

are feeding and frequent fumigation of the plants with tobacco smoke.

Not all the individuals of each brood develop wings, but under forcing house conditions, winged females are produced in nearly every brood. This is necessary to prevent overstocking the plant. It also allows them to spread to all parts of the house more rapidly.

Red spider (Tetranychus telarius).—Here we have another pest which needs no description as it is already well known by all. The red spider differs slightly from the greenfly in its method of reproduction. Each brood hatches from eggs which are deposited on nearly all kinds of plants during every season of the year except winter, but, as with the greenfly, males are not always needed. The red spider belongs with the true mites, such as sugar and cheese mites, itch mites, etc. At the same time the mites form one branch of the spider family. The red spider spins webs, the same as all spiders, which are of special use in fastening the eggs to the leaf.

Judging from the clipping previously quoted which claimed that the red spider originated from too much fire heat, or drought, the life history of this pest is not well known. Under natural conditions, at this season of the year, they are to be found on plants in the egg stage only. Their eggs can be discovered at the present time on many plants, both annual and perennial, living and dead, looking like mere red dots. The parent spider deposits these eggs in the fall, around the buds, under rough bits of bark, and even on the leaves which drop. During the latter part of April I have seen newly hatched young swarming over the grass under chestnut trees and traveling up the body of the tree in such countless numbers that the bark appeared to be in motion.

Ten days to two weeks are required before the first brood is developed enough to commence to lay eggs. After this period there is a new brood about once in every three weeks throughout the whole season. They thrive and increase rapidly while there is plenty of wind and bright sunlight. Excessive rains in May and June do not injure the eggs but they have a bad effect on the young or newly hatched red spiders. They appear to get tangled in the wet webs and are not able to survive the chill which they receive. During extreme heat of mid-summer, the egg laying is sometimes checked, but usually they can stand plenty of heat combined with sunlight and air. Hence you see that naturally this insect thrives under conditions which are supposed by some to be adverse to them, especially in forcing houses. I have yet to see it proven that syringing plants with water has any effect on the adult insect. A few of them may be knocked from the plants by the force of the water, but they soon crawl back. I have observed that the best time to have apparent success with syringing of plants with water is to wait until a good many eggs are deposited; then apply the water with force. The old, exhausted red spiders are knocked from the plants and the result is that the plants will appear clean for a week or ten days, that is, until time for the new brood to hatch from the eggs. The immature red spider can be distinguished from the adult by the fact that they only have three pairs of legs, while the adult has four pairs. Plate II.

It is not known how many distinct broods of the red spider occur out of doors each year. In October, when the leaves commence to fall, males occur in the brood and the winter eggs are deposited. It is not known how often males occur under forcing house conditions. Their rate of increase is equal to that of the greenfly.

Thrips.—Several species of this pest occur in greenhouses and attack nearly all kinds of plants. The species which causes the injury shown on Plate III. and is usually found on "twittered" carnations, has been described as an "onion thrips," "cabbage thrips" and a "tobacco thrips." In the vicinity of New York city, carnations are usually infested with this species. Before it was noticed injuring onions and cabbage in this country it was called Thrips tobaci by an European entomologist.

As this pest and its work is not well known, a full description will be admissible. Furthermore, from recommendations given in the Florists' Exchange for 1898, p. 1124a, quoted from Peter Henderson's "Practical Floriculture," this pest has apparently been confused with the so-called "rose-thrips," which is not a thrip at all, but a leaf-hopper, one of the Jassidæ.

The tobacco thrips, the species which infest carnations, is shown on Plate IV, Fig. 1, with wings expanded. A related species (Heliothrips hæmorrhoidalis) which occurs on ferns and other conservatory plants, is shown in natural position on the same plate, Fig. 2. As shown by the illustrations, the adult insects are winged and have six legs. Their wings, of which there are two pairs, are very thin, delicate membranes fringed with long hairs. They are not able to hop, but they make short flights which gives them the appearance of hopping like the rose leaf hopper. The larvæ or immature thrips, both males and females, are wingless. They are of a light yellow color, while the adults closely resemble the soil around the plants.

The adult females deposit their eggs within the tissues of the plants upon which they feed. The time required for the eggs to hatch and the number of broods occurring each year is not known. This insect probably hibernates as adults and not in the egg state. They hide away under rubbish and under the rough bark of the plants on which they feed.

They usually attack carnations in the fall while the latter are in the field. Feeding as they do on the tender, unfolding leaves of the plant, they may, in some cases, cause the twisting that is called "carnation twitter." The chances are, that "carnation twitter" can be pro-

PLATE II.—Red spider on leaf of carnation, showing adults, young and eggs.

PLATE III.—Work of thrips on flower and bud of Carnation Mrs. James Dean.

duced by any cause which checks the growth of the plant and is rarely the work of thrips.

When the plants are transferred from the field to the forcing house the thrips are taken along. As soon as the plants commence to throw flower buds the thrip works its way into the latter, where he will be safe from all human attacks. Here it feeds upon the partially developed petals, not only distorting them but robbing them of their coloring pigment so that the flowers not only have irregular white blotches on the petals, but often they do not open properly. In some cases the petals bleed to such an extent that the flowers rot before they open. Not satisfied with making the flowers appear as if affected with leprosy they deposit their eggs in the tissue of the inner or upper surface of the calyx.

Before taking up the subject of controlling the three pests discussed thus far, we should know how they feed and breathe, also how they get into the forcing-house.

The greenfly is provided with a proboscis or beak-like mouth parts similar to that of the bed-bug. With this it punctures the plants and sucks the clear sap or liquid from all the surrounding tissue. Usually the tissues of the plant are only slightly broken by the feeding process of the greenfly. The red spider and the thrips are both provided with biting mouth parts. They first bite open the cells of the leaf tissue and then proceed to lap or suck up not only the juices but also the coloring matter from the broken cells. These broken, empty cells give the whitish appearance to the plants on which the latter pests feed. Hence the small size of these pests combined with their method of feeding makes the use of poisons impossible.

All insects breathe by means of small openings called spiricals which are arranged in rows on each side of the body. The spiricals connect with small tubes or arteries which divide and penetrate to all parts of the insect. Therefore, insects have air instead of blood circulating to all parts of their bodies. The closing of the spiricals with powders, washes, or with fumes of any kind, suffocates the insect, and this is the only way we have of combating the above pests. With such small insects this is easier said than done. It is almost impossible to make the treatment thorough on such small objects.

All three pests can be carried into the forcing house at the time the plants are taken in. The greenfly and thrips both produce winged individuals which can find their way into the houses by way of the ventilators. Red spider can be carried into the houses on cannas, dahlias or any other plants or bulbs which have some tops on them when stored under the benches.

The oft recommended remedy for greenfly and thrips is fumigation with tobacco or steam from tobacco extracts. Water is the standard remedy for red spider and is often assumed to be good for thrips. I have yet to find the forcing house which has once become infested with greenfly and afterward fumigated weekly with tobacco in some form until it shows signs of nicotine poisoning, in which I cannot still find the greenfly hidden away in out of the way corners. I doubt if ever an adult thrip was killed by fumigation of any sort. Unless the latter are very thick and crowded for feeding ground, they are hidden away in the folds of the leaves, too well protected to be reached even by tobacco smoke. Up to the present time we have no safer method of controlling the greenfly on carnations than fumigation with tobacco smoke at time the plants are flowering.

Fumigation with hydrocyanic acid gas has been recommended for violets and in a few cases for carnations. I have tested the latter in various ways, making upwards of fifty distinct tests on carnations. Plate V shows how plants that are flowering will be liable to be injured from the banking of the gas in the upper portions of the house. This gas is so much lighter than air and compresses itself into the upper spaces of the house to such an extent that, even though only one half-ounce of ninety-eight per cent cyanide of potash was used for every 1000 cubic feet, it banked enough to cause the injury shown on the above plate. The injury was not noticeable until about two weeks after treatment and consisted of a whitened ring around the buds and a few white spots on the upper leaves. The former did not appear to interfere with the perfect development of the flowers. In the above case, where only one-half ounce of the cyanide of potash was used, the gas was allowed to act all night. Although the plants were slightly injured, further work by the greenfly was stopped. Three days after treatment a few specimens were found still living. These apparently were old females that were through budding and in time died a natural death, as two weeks later not a living specimen could be found in the house.

As previously stated, syringing with water is usually recommended for red spider and thrips on carnations. Sometimes such substances as salt and water, also soap suds, are recommended. In addition, all patented insecticides, such as Thrip Juice, Nikoteen, Rose Leaf Extract, Antipest, etc., are warranted to kill both red spider and thrips. Nothing is ever said about the effect on the plants of the latter substance.

I think you will all agree with me that heavy syringing of carnations which stand eighteen inches high, with water, is anything but beneficial to the plants. If each grower would take the time to test water and some other substances side by side on the same bench of carnations on which the red spider has become established, he would prove to his satisfaction that such quantities of water injure the plants nearly as much as does the red spider.

I can see no difference in results between salt and water, and pure water. Both substances act as previously described, on the young at the time they issue from the egg; at the same time both substances favor the development of the rust and spot diseases on the plants.

Notice it is not claimed that water, salt and the proprietary substances are of no use on any plants. Some may answer fairly well on plants other than carnations. I have used Nikoteen at the rate of one teaspoonful to a gallon of water, as a wash for thrips on ferns, with excellent results. But Nikoteen is vile stuff to put on any plant and should never be used on plants which, like carnations, have the foliage covered with a bloom. Besides no substances can be made to reach the thrips after they have got into the carnation buds.

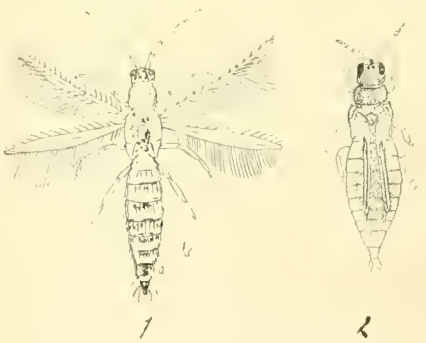

PLATE IV.—1. Tobacco thrips, a showing natural size. 2. Heliothrips from fern.

I have used hydrocyanic acid on this pest, when on ferns, as strong as three ounces to 1,000 cubic feet of space, allowing it to act all night without injuring the thrips in the least. We will say nothing about the condition of the plants.

As far as tested, the best results from treatment of red spider have been obtained from the use of a soap solution made by dissolving one ounce of Ivory soap in one gallon of water, or in that proportion. All individuals struck with this solution were killed, and if the plants

were not too heavily drenched, the bloom on the foliage was discolored but little. Open flowers should be gathered before attempting to use the soap solution. A home-made soap made of clean lard and the best potash lye would answer just as well as Ivory soap. Fish oil soaps will kill the red spider but they have the disadvantage of discoloring the foliage and in addition give the plants a bad odor.

The Ohio Agricultural Experiment Station has shown that good potash soaps are fungicides, preventing leaf curl of the peach. (Bulletin 103, p. 136; also Bulletin 104, p. 202.)

Another measure which is absolutely safe to use on the carnation when flowering, and just as destructive to the red spider as water, or salt and water, is the ammoniacal solution of copper carbonate, called cupram. This is a valuable fungicide, which does not soil the foliage in the least. By syringing the plants twice a week with this solution the required amount of moisture to check the development of the red spider can be furnished without supplying a forcing bed for rust and the spot diseases. It is made as follows: To one volume of 26 degrees ammonia add seven volumes of water. If one quart of ammonia is used, suspend five ounces of copper carbonate in the mixture of water and ammonia; cover, and allow to stand over night. For use take one quart of the clear solution and add four gallons of water.

Where the thrips has once gotten a foothold in the buds of the carnation, the only method of controlling him is to carefully gather all the buds which show his work, before they open and destroy them. No old, soiled flowers should be left in the benches.

In conclusion, I would recommend the following measures to prevent and control the three worst pests that trouble carnation growers: If possible select land that has grown corn or potatoes one year after being in sod. Avoid having old hedges and rubbish patches on the margins of the carnation field. These harbor red spider and greenfly. Never plant carnations under or around trees. The latter harbor red spider. Do not grow cabbage or related plants by the side of the carnation. These furnish abundant crops of thrips. At time of transplanting use heroic measures. First dip the plants in a soap solution, being careful not to get the solution on the roots. This solution can be made as already recommended from Ivory soap, or from Good's potash soap, Owen's U. S. Standard Caustic Potash soap, or even from a home-made fish-oil soap. Of the latter use one gallon of soap to thirty-two gallons of water. The home-made fish-oil soap is made as follows: Caustic potash, one pound; fish-oil, three pints; soft water, two gallons. Dissolve lye in the water, then add oil and stir. Boil from twenty minutes to one hour.

As soon as plants are established in benches, syringe thoroughly with the Ivory soap solution, giving a second treatment ten days later.

The above treatment should free the plants of all three pests, but a later treatment may be needed for greenfly which have found their way into the house through the ventilators. If these are discovered while the plants are short and not flowering to any extent, fumigate with hydrocyanic acid gas, using one-half ounce of ninety-eight per cent of cyanide of potash, one ounce of sulphuric acid and three ounces of water to every 1,200 cubic feet of space in the house. Allow gas to act all night. A week or ten days later repeat the fumigation. Remember that this gas is one of the most deadly poisons known; be sure the workmen realize this fact. After all the above precautions have been taken, do not store any plants under the benches.

The florist who becomes convinced that he must fight these three pests each fall from the start, will be the one who will have the best success.

The worst of the transient pests are the variegated cutworm (Peridroma saucia) and the cabbage looper (Plusia Brassicæ). The former, while small, is a climbing cutworm which feeds at night and hides in the loose soil during the day. This is one of the most common of the cutworms. It is found in nearly all countries, and usually occurs in forcing houses more frequently than other cutworms. In color it is a sooty brown with a yellow stripe mottled with red on each side of its body. The head is reddish yellow. The adult insect, or moth, is very indistinctly marked. Many writers have assumed that this cutworm is carried into the house in the soil. The fact that they occur in forcing houses more frequently than other species of cutworms, combined with the fact that they are often found in considerable numbers in spots throughout a house, indicates that the eggs are deposited on the carnations by the parent moth, or "miller," after transplanting. The latter can easily fly into houses on cloudy days and early in the evening during the months of September and October. The young worms climb to the buds, eat holes through the calyx and then devour all the floral parts.

The cabbage looper is shown in the adult and caterpillar stage on Plate VI. The caterpillar is a light green worm about one and one-half inches long, when full grown, which can always be recognized by its habit of looping the body when traveling. The moth or "miller" has mottled, dark brown head and wings. Two white spots on each fore wing sometimes resemble the figure 8. The hind wings are slate color, varying to tawny, while the body is covered with gray and tawny red hairs. This pest, like the variegated cut worm, feeds usually at night, on the buds and in the same manner. During the day they attach themselves to a stem of the plant by means of their caudal legs and stand at the same angle as do the leaves. This habit requires sharp eyes to find them. They can be carried into the house on the plants, but usually the female moth finds her way into the house through open ventilators. They are on the wing all the fall, especially on cloudy days and late in the afternoon. Like the cut worm moth they are able to lay two or three hundred eggs, hence one fertile moth can very thoroughly distribute eggs to all parts of the house.

The best means of combating either or both of the above pests is to hunt for the caterpillars at night with a lantern and hand-pick them. Although some have recommended the use of Paris green, it is impossible to get enough poison on the buds of the carnation to kill the worms. After the cut worms get too large to climb, a poisoned bait made by mixing one part green arsenite with fifteen parts of middlings or dry bran, can be used to advantage. This should be distributed in small heaps around the plants where the cut worms are at work.

As far as known the white grubs never occur in the forcing house except as they are carried in with the soil. The only way to get rid of them is to dig them out.

The rose leaf tyer (Cacoecia rosaceana) and the chrysanthemum leaf skeletonizer (Phlyctaenia ferrugalis) sometimes occur on carnations where roses and chrysanthemums have been grown in the same house. These pests will attack the carnations after the other plants have been removed. When they are found working in a house hand picking must be resorted to.

A small green worm, probably a tertricid, which ties a number of leaves together with a web, is sometimes carried from the field into the house with plants. The adult of this worm has not been bred, hence its scientific name is not known, nor do we know what other plants it feeds upon in the field. Thus far it has been gotten rid of easily by hand picking.

A fly about one-half as large as the house fly, is frequently seen in carnation houses during the winter. This has been

PLATE V. 1. Carnation buds injured with hydrocyanic acid gas two weeks after treatment. 2. Size of injured buds at time of treatment. 3. Size of uninjured buds at time of treatment.

reported as feeding in the maggot stage on the roots of the carnation. I have seen flies very numerous in houses but have been unable thus far to prove that they feed in the larval or maggot stage on the living roots of the plants. It seems more probable that they feed on the decaying roots only.

White ants or termites (Termes flavipes).—This pest is apt to occur in old style houses in which the wood work has been allowed to become partially rotten, especially if worm-eaten locust posts are used to support the benches. White ants have the peculiar habit of keeping away from daylight. They always make covered runways and usually find their way to the bench through a rotten or worm-eaten post. Houses that have brick or stone foundations and iron posts for the benches are not troubled with white ants, unless the latter are accidentally carried into the house in the soil, a thing that rarely happens. When once established in a house the only method of getting rid of them is to throw out the soil and remove all rotten woodwork. Creosotes and other wood preservers can be used on the posts and bottoms of the benches, but such substances should be used with care on the outsides of benches. I have seen houses of chrysanthemums severely injured by fumes given off by wood preservers. Probably this would only occur where such treated wood is subjected to considerable heat from too close contact to pipes.

Fuller's rose beetle.—I think this insect has never been reported as feeding upon carnations. In October of 1899 I received specimens of this beetle from Little Falls, N. Y., accompanied with the statement that they were feeding on carnations. At first it appeared a difficult matter to account for their presence in the carnation house and at that season of the year. Inquiry developed the fact that in 1897-98 the house had contained roses in solid beds. During fall of 1898 the roses were taken out, six inches of the old dirt removed and replaced with new soil, after which carnations were planted in the beds. In 1899 benches were built over the old beds without removal of soil from latter. When first noticed the beetles were always found feeding on the plants along the margin of the benches. Probably the beetles fed during the grub stage on the roots of the roses, this being their proper food plant. In 1899 when they issued as adult beetles they found nothing but carnations to feed upon. From all reports they were satisfied with the change. It was found that the beetles feed principally at night and hide away under the foliage of the plants during the day. They were gotten rid of by hand picking at night.

PLATE VI.—Cabbage looper—adult moth and worms.

New York.

ADVENT OF LENT MARKS THE DECLINE OF VALUES.—STOCKS WILL HEREAFTER EXCEED DEMAND.—SIX WEEKS OF HARD SLEDDING IN SIGHT.—NEW WHOLESALERS OPEN.—A RETAILER TAKES HODGSON'S STAND.—ALLEN PLEASED WITH HIS MOVE.—NOTES.

Ash Wednesday finds the flower trade of New York already in a very wobbly condition for, during the past week, although it was the closing week of the busy season, prices have been on the downward track and the accumulation of stock in wholesalers' hands indicating that a still greater decline is imminent. The weather has been very cold, but the advantage of decreased cut in consequence is more than over-balanced by the inability of the "street merchants" to do any business when the thermometer is below the freezing point. "Street merchants" they are and will be, now, for sometime and much deference will be accorded them. During the busy season they were only "street fakers" and were in the way, but from now on their services are indispensable and nobody knows that any better than the "merchants" themselves.

The wholesalers are not saying much but are thoughtfully gathering themselves together for the six week's hard campaigning which they realize lies between them and Easter. The spring weather, when it does come, will give them enough to take care of, for all indications point to a heavy production in all lines. Violets have been beating the record as to numbers, right along, and are even now producing as heavily as they have done at a month later date, heretofore.

Changes are still going on in the wholesale district. The new firm of Ghormley & Perkins opens this week at 57 West Twenty-eight street, but will continue to occupy as a branch, until May 1, the old location on West Twenty-ninth street, where Mr. Perkins has been located for some time. The new store is being fitted up in first-class shape.

Aldrich & Co. is the name of a new retail establishment just opened at the corner of Forty-sixth street and Fifth avenue, the place so long occupied by J. M. Hodgson. The company in the new firm is E. W. Weimar, of Mount Vernon.

J. K. Allen expresses much gratification over the business that has come to his new wholesale establishment. The move to the block west of Sixth avenue was made with some diffidence, but he is satisfied now that it was a wise step.

There is nothing new in the market worth special mention. Brunners are still so light in receipts that they make no impression. Lilacs are coming in very heavily from some growers whose judgment seems to have been faulty, for it is not possible to unload such a quantity to advantage.

H. A. Bunyard recently received, in good order, 60,000 English and Irish stocks of Manetti.

Gus. Bergmann, who has been with John Young for the past six years, has been ordered south by his physician.

There are quantities of very poor Harrisii lily flowers coming to this market at present.

Wm. Ford is confined to his home with grippe this week.

Philadelphia.

BUSINESS FAIRLY GOOD AND STOCK IN SHORT SUPPLY.—PRICES REMAIN FIRM.—CARNATIONS IN SUPERLATIVE DEMAND.—IDEAS ADVANCED AT THE FARMERS' INSTITUTE.—SPRING SHOW AN ASSURED SUCCESS.—LIBERAL CASH PRIZES.—THE QUAKER CITY WELL ENDOWED WITH HORTICULTURAL SOCIETIES.—KENNEDY GOES TO CLEVELAND.—EASTER LILIES PROMISE WELL.

We have just experienced a severe cold spell, the last dying gasp of winter, for spring is here. The thermometer touched the zero point and compelled extra visits to the coal bins. Business has been fairly good. Although the supply of flowers has been short lately, there seems to have been enough to go around, the fakirs being affected the most, they being creatures of the surplus. Prices are about as last week, Beauty roses in the middle sizes being very scarce. If some grower should be fortunate enough to find an American Beauty "sport" that

would develop good flowers on stems of about twenty-four inches in length, he would have a little Klondike all to himself. A house of Brunners or Laings in from February 15 would surely have paid handsomely and jostled at least one of the "big four" not a little. Almost any kind of a carnation finds ready sale at present, the crops being so short. A box known to contain carnations coming into the wholesale houses is immediately surrounded and the contents vanishes in a moment; $2 per hundred is asked for any fair flowers and $2.50 is readily obtained for good stock, while the higher grades bring from $3 to $4. Violets are plentiful at 75 cents for the doubles and 35 cents to 50 cents for the singles. Bulbous stock is always in the van at from $3 to $4, lily of the valley being plentiful at $3 for good stock.

The meeting of the Farmers' Institute held under the auspicies of the Pennsylvania Horticultural Society and the Florists' Club was very interesting but, we are sorry to say, poorly attended. An interesting statement was made by Prof. Heiges in reference to grafted or budded stock. He said that the scion or graft was not affected in the slightest degree by the stock other than to give it increased strength. A great many varieties of cherries, for instance, may be grafted on a cherry tree, yet each will remain true to name and have every characteristic of its kind. The sap flows from the roots of the tree to all the branches alike and passing into the leaves is then transformed and becomes individualized. The sap, the speaker said, passed to the extreme length of the branch or stem before it began to disseminate and on its return passed into the leaves. This is the reason the extreme buds on a plant are always the first to start. Prof. Macfarlane, of the University of Pennsylvania, by means of lantern slides, took his hearers through the various botanic gardens of the world. His lecture was very instructive.

The March meeting and spring exhibition of the Pennsylvania Horticultural Society promises well. Secretary Rust says that the show will be a fine one, as many private gardeners as well as commercial growers will take part. A pleasant feature, and one to be commended, is that all the premiums are cash, and spot cash at that, the secretary having now in hand over $400, all donated by friends interested in this revival of the spring show. The premiums for cut roses will be especially liberal and perhaps something worthy to be added to the "big four" may be brought out.

Washington's birthday was celebrated at Chestnut Hill, this city, by the birth of a new horticultural society and an exhibition of flowers and blooming plants. It is called the Chestnut Hill Horticultural Society, and has the same general objects as all similar bodies. Exhibitions will be a feature of its meetings the second Tuesday of each month, in Joslyn Hall, Germantown avenue below Highland avenue, Chestnut Hill. The officers are: President, John T. Morris; secretary, Robert C. Carey; treasurer, Wm. H. Housten. This is the third horticultural society organized in this city and, with the Wayne society a few miles out of town, places this city in the van in the number of its horticultural organizations, all of which are holding meetings and exhibitions at stated intervals.

Isaac Kennedy, who has held the position of foreman with John Burton for the past five years, has resigned and is going west to take charge of J. M. Gasser's place at Cleveland, O. We are sorry to lose Mr. Kennedy, whose magnificent stature was the pride of our club. He is a genial fellow, well liked by all who know him. He was formerly foreman for several years for Robert Scott & Son and has been very successful as a grower and will no doubt add to his laurels in his new field.

Referring to Easter lilies, one of the large growers of this city said recently that in all the crops he had seen there was less disease than for several years and that this season the growers, if they guess the weather right, are likely to get enough money out of their efforts to at least pay for the bulbs. K.

Chicago.

SATISFACTION EVERYWHERE MANIFEST.—BUSINESS HEAVY AND STEADY FOR MANY WEEKS.—LENT BRINGS NO DECREASE.—BLIZZARD MAKES MISCHIEF.—GUARDIAN ANGEL CARNATION.—LYNCH IS MOVING—CUTTINGS TRADE LIVELY.—FIRE IN AN OVERTURNED WAGON.—FLORISTS AS JURYMEN.—VARIOUS NOTES OF INTERESTS.

There is not a word of complaint heard in the Chicago market. The winter season has been one of the liveliest on record and the advent of Lent has brought no appreciable falling off. All through January and February business has been active and steady and the growers have received returns which, considering the quantity of stock produced, have seldom been excelled. The only drawback has been the scarcity of material, weeks at a time finding the market short, and at this time there has not been sufficient increase in supply to weaken prices, except on one or two items. American Beauties are more plentiful and some fine stock is coming in but there is still a scarcity except of short stemmed buds, which constitute a large part of the cut. Brides and Bridesmaids have become plentiful enough to meet ordinary demands and some very good stock is now obtainable. Carnations were hardly ever better and sales are assured, so that prices are firm. Bulbous stock is doing fairly well but violets have suffered. In Wednesday's blizzard and in the following days, before trade opened, they piled up badly. Shipping trade was good last week, considerable quantities of stock going south for the Mardi Gras.

There is now an extensive range of glass at the Guardian Angel Orphan Asylum, out at High Ridge. The greenhouses have been built and fitted by the boys of the institution, who also grow the ordinary market sorts of plants and flowers in highly creditable style. Bedding plants are grown very extensively for cemetery purposes. A very fine sport of Carnation Armazindy, which has been named Guardian Angel, is now being propagated very freely. The flowers are of a good shade of pink, much like Wm. Scott, borne on the usual fine Armazindy stems. The sport was exhibited before the Chicago Florists' Club, January 19, and was awarded a certificate, scoring 90 points.

W. E. Lynch is moving into his new location at 64 Wabash, corner of Randolph street. He will have plenty of room, good light and every convenience and will, moreover, be on a corner passed every day by every one of the city buyers.

George Reinberg expresses himself as well satisfied with the early business in rooted cuttings. He is not going to build this season but will spend some money in improving his glass to improve its output.

August Jurgens' wagon was blown over while down town on February 24, one of the worst days of the winter, and caught fire from the stove used to keep the stock from freezing. The loss, however, was not great.

George Piepgras, who has been on the floor with Lynch at 19 and 21 Randolph street, has secured space at E. C. Amling's and will remove as soon as things can be put in shape for him.

G. E. Pieser, secretary of the Kennicott Bros. Co., and George Piepgras are serving on the jury in Judge Clifford's court.

Several of the big growers had carnation cuttings just ready to ship when the below-zero spell came on and were obliged to pot them up.

Charles Schafer will put up a fine range of glass at Kankakee and will devote it exclusively to carnations for this market.

Alex Newett, now with Kidwell, will leave the city next week to enter the employ of L. J. Stuppy, of St Joseph, Mo.

H. O. Hinckley, of Rockford, was in town one day this week showing some very fine violets.

Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, was in town this week.

J. B. Deamud is receiving some fine Harrisii lilies from Stollery Bros.

C. L. Washburn is not enjoying his usual good health.

Boston.

TRADE SLACKENS OFF.—CARNATIONS VIGOROUS BUT ROSES WEAK.—BULBOUS STOCK HOLDS ITS OWN.—DAFFODILS LOW.—GOOD THINGS EXHIBITED.

Trade is a little weak at present writing. Carnations do not feel it and are fully as vigorous and self-assertive as at any time during the past month, but roses are decidedly on the downward course and the end of mid-winter values is undoubtedly here. This is due principally to the rapidly increasing cut, which is only saved from precipitating a slump by the genuine winter weather and zero temperature with which we have had to associate during the week. Bulbous stock holds its own, especially Paper White narcissi, which sell better on the average than any other stock of like character. Yellow daffodils are selling too low, considering the cost of bulbs and growing them. Violets are overplenty but, with the exception of the single sorts, are not up to the standard of quality now demanded generally.

On Saturday, February 24, there was a very interesting little exhibition at Horticultural Hall. Rea Bros. showed several of Lemoine's hybrid deutzias. From J. E. Rothwell came hybrid Cypripedium Leander, which received a silver medal, and from W. P. Winsor a Dendrobium nobile with the two lower sepals marked with a dark purple blotch, for which a certificate of merit was given. A seedling carnation from David Monteith was admired as a promising commercial variety.

Welch Bros. are receiving daily a bunch of nice Bon Silenes. This would have been, ten years ago, a matter of no consequence but is, nowadays, quite a notable event, even in Boston, where the prestige of the Bon Silene first began.

John Galvin had a severe fall two weeks ago and is just out once more but obliged to use a crutch.

Visitors in town: H. J. Goemans, Holland, and L. B. Craw, of Lord & Burnham, New York.

Washington.

THE WEEK'S ROUND OF DINNERS AND RECEPTIONS.—SEVERAL EXCELLENT DECORATIONS.—JOTTINGS AND PRICES.

The third Bachelors' cotillion, which closed the series for the season, was given at the National Rifles' Armory, February 20. The decorations by J. H. Small & Sons were very fine and in keeping with the two former cotillions. The draperies and flowers were pink.

The last public reception of the season at the White House was held February 21. The decorations were as fine as ever and somewhat similar to the former ones, with the exception that palm leaves were used in place of southern smilax. Rhapis flabelliformis made a fine effect on the ceiling in the shape of rosettes.

The Assembly Ball, February 26, at the Arlington Hotel, brought together a large and brilliant company. The floral decorations were by Small & Sons and were the cause of many flattering comments. The ball room was a perfect bower, the ceiling and walls being covered with southern smilax, flowers and ribbon. Fully a thousand tiny electric lights glowed like so many fireflies and the large electric lights were softened by great rosette effects of scarlet and white ribbon. The band gallery was festooned with garlands of green and orchids and below, on the spreading branches of a cork tree, hundreds of orchids seemed to be quite at home. In the reception parlors the same floral magnificence prevailed. Supper was served at small tables, each of which had a center piece of flowers.

Mr. and Mrs. Westinghouse gave another of their fine dinners Saturday evening, February 24. Each room was decorated with different colored flowers, and orchids and American Beauty roses were used with a free hand.

A. Gude & Bro. are cutting some very fine Golden Gate roses with long, stiff stems.

Clark Bros.' new house of American Beauty is promising a good cut from now on and their Lilium Harrisii are looking fine, as is their Asparagus plumosus nanus.

J. Louis Loose is quite well again and busy as ever. Charles F. Hale is also well again.

Business is very good. There is plenty of bulbous stock and it is in good demand. Prices on roses are as follows: La France, $1 to $5; Chatenay, $1 to $4; American Beauty, $5 to $20; Golden Gate, $2 to $5; Bridesmaid, $1.50 to $5. Carnations go at from 50 cents to $2 per hundred.

P. G.

Baltimore.

CARNATION SHOW OF THE GARDENERS' CLUB.—MANY VERY FINE EXHIBITS.—THE PREMIUMS AND OTHER AWARDS.—LARGE CROWDS ATTEND.—MEETING OF THE SOCIETY.—A BANQUET NEXT MONTH.

The event of the week was the carnation show of the Gardeners' Club, on February 26. On entering, the first thing to strike the eye was a bank of beautifully grown cinerarias sent by E. Holden, gardener to Mrs. Robert Garrett, who also sent some very fine cyclamens. The bank of palms at the further end of the hall as well as the specimens scattered here and there were all from Halliday Bros. There were more roses shown than at any previous exhibitions, Jno. Cook's Baltimore, a strong-stemmed hybrid tea, with massive buds, white externally, shading to a shell pink inside, being conspicuous. Another vase which attracted much attention was the American Rose Co.'s exhibit of Ivory, an aptly named white sport from Golden Gate, like that variety in everything but color, though of stronger growth. This promises to be a valuable acquisition, being the largest white rose yet produced. R. H. Vincent exhibited a pink seedling carnation, No. 696, grown by Mr. Ward. C. M. Wagner showed five of his seedlings, Chaplain Goodwin, a very large soft pink; No. 2396, similar to Mrs. Bradt, with paler pink markings; No. 3496, very dark, on the order of Gomez; No. 5696, about one-half as much red in it as Bradt, otherwise the same; No. 4396, pleasing shade of deep pink, large. A division of opinion was caused by the exhibits of white seedlings by Jno. Cook and H. Weber & Sons. Weber & Sons' No. 110, is a very fine white on long, strong stems. Mr. Cook's seedling, self fertilized from Bradt, is as large and possibly a little fuller, both being really excellent flowers. Lehr Bros. showed White Cloud, Scott and Jubilee, finely grown, and F. C. Bauer had the only pot carnations and they were fine. He also showed Farquhar violets, and mignonette. H. F. Michell exhibited a jar of Mrs. Bertram Lippincott. Halliday Bros.' exhibit was good, and included Mack Richmond, Scott, Flora Hill, Mrs. Bradt, Jubilee, Gold Nugget, America, Gomez and White Cloud. Woodfall Bros. sent a number of fine seedlings, Red Cloud, like Jubilee, built up higher; a very pretty shell pink and others.

Following is a list of the awards: To Halliday Bros. for twenty-five white, with White Cloud; scarlet, with America. crimson, with Gomez; dark pink, with Scott; yellow, with Gold Nugget, and for best general display. To F. C. Bauer, for light pink, with Daybreak. To S. H. Moss, for variegated, with Mrs. Bradt.

Certificates of merit were given as follows: To John Cook for rose Baltimore, to Weber & Sons for Genevieve Lord and collection of seedlings, to Halliday Bros. for collection of palms, to E. Holden for cinerarias and cyclamens, to F. G. Burger for basket of American Beauties and freesias, the only design shown.

Honorable mention was given violets from F. C. Bauer and Lehr Bros., roses from I. H. Moss and P. C. Erdman, and seedling carnations from C. M. Wagner. Mr. Michell's vase of Mrs. Lippincott was highly commended and so were his plant stands.

Altogether the show was a great success, and the hall was hardly large enough to accommodate the number of ladies who viewed the display.

Much quiet work has already been done toward the coming of the carnation society next year, which we all regard as a high honor. At the evening session of the club little was done except to arrange for the annual banquet, which takes place at the next meeting. Wm. B. Sands and Jas. Pentland resigned their membership owing to the election of a gentleman of whom they do not approve.

MACK.

Buffalo.

BAD WEATHER INTERFERES WITH BUSINESS.—QUIET WILL PREVAIL UNTIL EASTER.—A VISIT AT PALMER'S.—MUCH GOOD STOCK.—VARIOUS NOTES.

The weather since last Saturday has been what might be called variably fierce. Saturday we had rain, snow, cold and high wind, ending on Monday evening with the thermometer at zero or thereabout. Constant firing was necessary in every greenhouse, but nothing serious has resulted so far. Trains were late and storemen suffered. The death of two prominent men last week gave all a great many orders. The last day before Lent had only a few receptions of no large size, and from now until Easter we will have nothing to do but make good window displays of flowers that should have been in earlier.

Jerry Brookins, of Orchard Park, R. C. Avery, of West Seneca, and W. Adams made a trip to Lancaster Tuesday to call on W. J. Palmer, but unfortunately Mr. Palmer had just gone to Buffalo. However, his always obliging superintendent, B. S. Meyers, took us through the place. His lilies, while good, show some disease, which all are suffering from around here. The daffodils and La Reine tulips are grand; the color on the latter was all that one could wish for. The two sports of Daybreak look well, and one house of No. 1 was certainly a sight. Pingree, Bradt and Jubilee are also good. Mr. Meyers seems very favorable to Flora Hill and White Daybreak, but did not say what would be their principal flower next season. Roses were looking fine, and their cut averages from 700 to 1,000 a day. It makes a retailer feel sad when he sees an unlimited supply like that to cut from, while he has to go to the wholesale house and divide with someone else if the stock is scarce.

Rebstock had the decorations last week at the Iroquois, for a Masonic banquet to the Grand Master of the state. Palms, tulips and daffodils were used, and looked very fine.

Miss Rowan, who has charge of Mr. Kasting's office, has suffered the loss of her father, whose death occurred on Monday. She has the sympathy of all the florists in Buffalo.

Cold weather Sunday and defective gas arrangements caused a loss to Reichert Bros. at their store on the market; $100 worth of palms, etc., were frozen.

Guenther, of Hamburg, and Fancourt, of Wilkesbarre, Pa., are sending fine Bridesmaids to Kasting.

W. A.

St. Louis.

BLIZZARD INTERFERES WITH TRADE.—CONSIGNMENTS LATE.—WHITE STOCK IN DEMAND.—FLORISTS PLAY EUCHRE.

The cut flower market has been very uncertain this week owing to the weather, a heavy storm, with rain, sleet and snow, having raged for two days and nights, and all incoming trains are from two to ten hours late. Consequently the wholesalers are not getting their supply regularly, and the retailers are "kicking." There has been quite a demand for funeral work, and anything white is eagerly sought after. White roses, white carnations, Harrisii lilies and callas are the most in demand. Prices hold their own on everything except violets, of which there is an over supply.

The Florists' Club euchre party came off on Friday night, February 23, and was well attended considering the bad weather, about 200 being present. Over 100 floral prizes were distributed and everybody enjoyed the entertainment.

Visitors: Martin Reukauf, Philadelphia, and E. W. Guy, of Belleville, Ills.

J. M. H.

ATHOL, MASS.—Jas. Sutherland, Jr., has failed on account of the loss occasioned by the recent inundation.

THE AMERICAN FLORIST

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Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

IT is said that good young plants of Caroline Testout rose are difficult to secure.

PROSPECTIVE builders are beginning to feel anxious about the delivery of glass for use this season.

THE European bulb men are now here in force, and most of them report business as generally good.

REPORTS at hand indicate that the cold weather of last month has seriously injured the crops of southern truckers.

ONE tulip grower says that his blooms this year are excellent, but that at present prices they will hardly fetch sufficient to pay for the bulbs.

JOS. GELVEN & SON, of Sedalia, Mo., have sent us a carnation bloom of an odd shade of purple which we do not remember to have seen before in this flower. We have seen East Lothian stocks very similar in color.

WE learn that one section of the English carnation society will offer the coming season nearly $2,000 in money prizes besides four silver cups. We presume that this is partly or wholly made from admission fees. Is not this a pointer for the American Carnation Society? Witness the crowds present at the recent Buffalo exhibition.

Crimson Ramblers for Easter.

ED. AM. FLORIST:—What should now be the condition of plants of Crimson Rambler to bloom for Easter, also the most suitable temperature? T. W. H.

In answer to "T. W. H," so far as experience has cultivated my judgment in the growing of the Crimson Rambler rose especially for Easter blooming, I would say that the best condition of the plants at this time, about six weeks before Easter, would be to have them just showing their buds. One can then bring them into bloom in a night temperature of about 55°, with a rise of 10° during the day if there is sunshine, 5° in the absence of sunshine. This temperature will give large blooms of the best color. If the plants are not so far advanced at this time, one can get them into bloom by raising the temperature according to their tardiness, but it will be at the expense of size and color in the flowers and quality in the foliage. I am a firm believer in fine foliage. A flowering plant well furnished with good clean leaves is much the more beautiful and always makes a good market when placed at the disposal of intelligence.

WM. K. HARRIS.

Greenhouse Building.

Denver, Col.—Thomas Chapman, two carnation houses, 20x120

Nashua, N. H.—G. E. Buxton, carnation house, 16x80.

Independence. Mo.—Alfred Broman, two houses 20x100.

Washington Court House, O.—Ed Helfrich, two houses.

Richmond, Va.—M. A. Whitty, two rose houses 25x110.

Elwood, Ind.—W. H. Woerner, one rose house.

Kansas City, Mo.—Albert Barbe, rebuild 10,000 feet of glass, adding 7,000 feet.

Lafayette, Ind.—H. Roth, two houses.

Germantown, Pa.—T. B. Homer, one greenhouse.

Make Prices Profitable.

One of the most common and disastrous mistakes in the beginning of a floral business is in placing prices too low. Every florist should remember that the active selling season for plants lasts only two months in the spring and a little while in the fall. For the balance of the year it is but a thin, straggling line. True, the cut flower business is steadier, but that is not great in a small town. Therefore to pay twelve months' expenses, incurred for regular greenhouse repairs, coal, insurance, hail, damage by fire, frosted plants, accidents and delays to perishable stock in transit, experiments with novelties, etc., a percentage of profit must be added to the first cost of goods purchased, and to the actual cost of home raised stock, three times larger than the percentage of profit required by a dealer who is handling goods which continue in daily demand and which do not lose value while kept in stock awaiting the opportunity to make a sale. One should not be led into competition in prices below what is known to be safe; rather should he keep stock of a better grade and call the attention of buyers to its greater value, offering when necessary a few inferior plants at lowest possible value. Meet competition in prices every time by pushing forward high quality stock. When there is a surplus of stock, the fact should be thoroughly advertised; one city or neighborhood may be fully supplied with a given commodity when there is pressing need for it fifty or one hundred miles away. When something specially good has been produced, the fact should be made known to the trade of the entire country by advertising; there is always a market for good material.

Helpful Reminders.

Palms and other natives of warm countries, which do not naturally take the season of rest that our short winter days almost compel, have suffered more or less from the attacks of insects, mealy bug, scale, etc. If you will give them a careful cleaning now, the increased sunpower, with copious waterings, will enable your plants to regain vitality. A healthy plant is not troubled with these pests, so now is your most advantageous time for cleaning.

All plants which send their leaves up from the soil and do not branch above ground should have a top dressing now. If shifted, shake out the roots, cutting off the dead portion, of which there always is considerable. Put them back in the same pots with fresh soil and set a trifle deeper. The various varieties of cyperus, including the Egyptian papyrus, bamboos, asparagus and all ferns except the tree ferns are in this class.

One of the most valuable stand-bys for a florist doing a general business is a small bench of Clothilde Soupert roses. Started now they bloom freely all summer and early fall. The long stems, when fresh, are beautiful clusters for cut flowers and those that become full blown take the place of white carnations for designs.

Cannas should be started now, for, although they will be successful if started in flats and potted later on, it is less labor to make one job of it and pot them now; unlike dahlias, you can readily tell the good eyes from the bad.

Maurandya vine, one of the best for vases, boxes or trellises should be started from seed now. This vine out-shone the cobœa in some places last summer. It is so old fashioned that but few doing business to-day appreciate it.

Lobelias, Marguerite carnations for early summer show, tuberous rooted begonias, gloxinias, fancy caladiums and tuberoses should now be started. If you haven't a warm, moist house for them, a hotbed is preferable.

If you bring Spiræa Van Houtteii into bloom for Easter, it should be started now. C. B. W.

On With the Dance.

Saturday evening, February 24, the florists of St. Paul and Minneapolis gave an entertainment at the Grand Central hall, St. Paul. Dancing was the main attraction of the evening. Pete Hohn and Chas. Vogt sold carnations and violets which entitled the holder to refreshments in the rear room where Christ. Bussjager was entertaining with song and dance. About 250 were present. C. W. S.

Dancing in Oceanic.

The third annual ball of the Monmouth County Horticultural Society, at Oceanic, N. J., was one of the most successful social events of the season. There were over 100 couples in the grand march and some of the most prominent people of Oceanic and the neighboring towns were present. At twelve o'clock supper was served and before the regular order of dancing was resumed an Irish breakdown and also a cake walk were indulged in. The Gardeners' Ball, as it is called, is always a feature of the local season, but this year it surpassed previous successes. The credit is due to the committee of arrangements, which consisted of George Kuhn, Robert Murphy, Thomas McIntosh, Hugh Birch and Albert Brighton.

B.

Philadelphia Farmers' Meeting.

The farmers' meeting held under the auspices of the Pennsylvania Horticultural Society and the Florists' Club of Philadelphia last Saturday, February 24, while not attracting quite so large a crowd as last year, was, nevertheless, attended by a select and very attentive audience which listened with rapt attention to the various speakers and took a lively interest in the discussions which followed.

Edwin Lonsdale occupied the chair, and the address of welcome was delivered by W. Atlee Burpee. Mr. Burpee's remarks were very much to the point and full of good sense. Colonel Wood-

ward's reply to Mr. Burpee was also particularly happy, and it is to be regretted that there was not a much larger audience to hear his rapid review of the vast improvements which have taken place in the farm and garden methods of Pennsylvania in the last ten years, which gratifying state of things is almost entirely traceable to the grand work being done by the institutes.

A. Blanc sent an interesting paper on "Some good plants for the home." Jason Sexton spoke on the subject of teaching agriculture in our public schools, and Professor Heiges on the formation of flowers and the influence of pollination and cross fertilization in the development of our improved varieties of fruits, flowers, grains and vegetables. This was one of the very best features of the meeting, and was interesting in many points even to some of the old stagers and especially so to those who had never given the matter much thought.

The evening session was made particularly interesting from the fact that botanic gardens were illustrated by splendid stereopticon views accompanied by an able and instructive lecture by Professor Macfarlane, of the University of Pennsylvania. He took the audience around the world with him from Kew Gardens to Glasgow, Edinburgh, Dublin, France, Germany, Italy, India, Ceylon, Australia, Brazil, the West Indies, St. Louis, New York, and wound up with our own botanic garden in Philadelphia. The Philadelphia garden is the development of only a few years but is already a very complete and useful institution, considering the short time it has been in existence.

J. Franklin Meehan's paper on "How to improve present methods of landscape gardening" was a very able exposition of that subject. W. H. Taplin read an excellent paper on the most desirable ferns for the home. G. C. WATSON.

OBITUARY.

E. S. CARMAN.

E. S. Carman, for many years editor of the *Rural New Yorker*, died of pneumonia at his home in New York February 28, aged 61 years. Mr. Carman was a thoroughly practical horticulturist and widely known as a careful and successful experimenter and hybridizer.

MRS. F. L. HARRIS.

Many of our readers will be pained to learn of the death, on Saturday, February 24, of Mrs. F. L. Harris, wife of the honored superintendent of the H. H. Hunnewell estate at Wellesley, Mass. Mrs. Harris has been in failing health for several years but has been apparently brighter for some time past and her death was not anticipated. The funeral took place at South Natick, on Tuesday, and the church was filled with sorrowing friends, including many of the gardeners and florists who had learned in the experience of many years to love the noble, devoted woman whose cheery hand was always extended in kindly welcome to the boys, and came with sad hearts to look for the last time on the sweet face and show, as best they could, the sympathy they felt with their honored fellow-gardener, in his loss and loneliness. One daughter and two sons are left to mourn the loss of a good mother.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1899 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a first-class florist and gardener; 18 years' experience; married.
S B. care American Florist.

SITUATION WANTED—As grower of roses, carnations, 'mums and general stock Age 25 Address LOYD H. WILKINSON, Niles Center, Ill.

SITUATION WANTED—By a first-class florist, competent to fill any position, commercial or private. Address A B, P. O Box 131, West Orange, N. J.

SITUATION WANTED—By a thoroughly reliable, all-around grower, competent to fill any position in either commercial or private place. Address J A T, care American Florist,

SITUATION WANTED—By good cut flower grower; 9 years' experience; near Chicago preferred. State wages. Address HARRY BLEWITT, care Chicago Carnation Co., Joliet, Ill.

SITUATION WANTED—By young man with three years' experience in cut flower and plant trade, northwest of Chicago greatly preferred. State wages when writing. Address F. S., care Am. Florist.

SITUATION WANTED—By an experienced grower to take charge of commercial place (wholesale or retail) Ten years' experience, age 32, single, strictly temperate; salary $30 per month Address GROWER, care American Florist.

SITUATION WANTED—By a thoroughly reliable florist and gardener to take charge private or commercial place; 19 years' experience in all branches; German, age 33, single. Best references. Address FLORIST, care American Florist.

SITUATION WANTED As florist and gardener; 20 years' experience in florist business, and 7 years farming, fruits and vegetable growing. Private place preferred State wages Address ALBA PLENA, care American Florist.

SITUATION WANTED—By a married man, as working foreman, competent in growing roses, carnations, chrysanthemums, violets and general stock, also in propagating; 20 years' experience. Address CH WAHLER, care of Munich & Cralk, Frankfort, Ky.

WANTED—Three or four men as potters. Apply to BASSETT & WASHBURN, Hinsdale, Ill.

WANTED—A first class man to grow Beauties. Give references. E B. care Am Florist.

WANTED—At once, a man to do general greenhouse work; $20 a month and board.
B. B. BLAIR, Charlevoix, Mich.

WANTED—Address of Louis Traxler, a practical and ornamental florist
THOS. B. BULL, Bakersfield, Cal.

WANTED—Two young men to work in greenhouses; will pay twenty dollars per month, with board. Address B, care Am. Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist

WANTED—Competent rose and carnation grower. Wages $7 50 per week to start. A good place for a good man RICHARD FORREST, Washington, Pa.

WANTED—At once, a young man to learn the flower business or one with some experience. Wages $15 a month, with board. Address H. M. JENSEN, McHenry, Ill.

WANTED—March 1st, good all-around grower and propagator of general stock, especially roses. State wages and references Address J. E. JACKSON, Gainesville, Ga.

WANTED—Landscape and vegetable gardener for gentleman's place near Milwaukee. References needed State experience E. W. VON COTZHAUSEN, Milwaukee.

WANTED—Florist at once, to grow cut flowers and general greenhouse stock; German; single man; well recommended. MRS. GEO WALDHAUER, 1317 N. Michigan Ave., Saginaw, Mich.

WANTED—Second man, single, in rose growing establishement near New York City. Wages $20 per month and board. Address H, care W. J. Stewart, 67 Bromfield St., Boston.

WANTED—Young man of good appearance and some experience, as salesman in retail flower store. Must be of steady habits and have good references. Address A. H. LANGE, Worcester, Mass.

WANTED—A rose grower who thoroughly understands growing A No. 1 stock The right party will have a good position. First-class references required Address M K, care American Florist.

WANTED—The address of Anton Kirchner, who last spring was in the employ of Wm Clark, of Colorado Springs, Colo. An important letter is at the American Florist office for him. Write to the AMERICAN FLORIST CO., Chicago.

WANTED—Assistant for private place; must understand growing of roses, and take care of palm house; $25 per month. Good home for the right man. Prefer a young German or Frenchman.
CHAS. UFFLER, Rosemont, Pa.

WANTED—An all-around florist, or florist and market gardener; employment the year round. Wages $35 to $45 per month with room and board. Must be trustworthy and sober and able to take charge of place of 12,000 feet of glass. Will pay no one's fare out here. Address M. KRANZ, Great Falls, Montana.

WANTED—A young man able to take charge of palms and similar stock under the direction of a foreman. Must be steady, sober and hard-working, willing to begin at low wages To such a splendid opportunity is open. Reply with reference and full particulars to W A MCFADDEN, Rosebank, Cincinnati, Ohio.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—A piece of land very suitable to commence flower business, ½ mile from three large cemeteries. HY HAERTEL, 176 Madison St., Oak Park, Ill.

FOR SALE—On account of bad health, fine retail business in city of 40,000. 4000 ft. glass well stocked; dwelling, barn and stable on electric car line. Very reasonable. Address E, care American Florist.

FOR SALE—One first-class typewriter, one automatic Neostyle for duplicating typewriting and handwriting, making from 1500 to 2000 exact copies from one print. Write for description and sample of work. GARDNER & SON, 126 7th St., Osage, Iowa.

FOR SALE—Greenhouse plant, four large houses (new), iron and cypress construction; large dwelling, ½ acre city lot on street car line. Finest heating in existence, and heats dwelling also. Steam heating, vacuum steam heating (new wrinkle) or water heating. Either of these three can be used, (am using vacuum steam at present and it beats everything). Good cellar for mushroom growing. Address A. T HOYT, Warren, Ohio.

SOLE AGENT WANTED
FOR THE Dutch Bulb Trade.

A Dutch wholesale bulb grower seeks a respectable person as SOLE AGENT for the United States and Canada. Address, stating full particulars,

No 300, Post Office, VOORHOUT, near Haarlem, Holland.

To Greenhouse Builders.

Scott J. Anthony, of Denver, Colorado, wants 3 Greenhouses built, first class work; iron, cypress or pine, buildings average 20 by 90 feet. Heating apparatus to cover about double the number of cubic feet. Cash as work progresses, if required.

FOR SALE.

Owing to the state of my health I am compelled to dispose of my Greenhouses at Niles Center, Ill. This is a well-known establishment, 50,000 feet of glass, in first-class growing condition, stocked with Roses Carnations and general stock; 3 acres good land 7-room dwelling on another acre which will be sold if purchaser desires it. This place is in the region of successful growers, and responsible parties will find this a rare bargain. Address

HERMAN SCHILLER, 897 W. Madison St., Chicago.

To Lease,

12 Greenhouses, about 60,000 feet of glass. Filled with palms, roses, carnations and miscellaneous stock.

Business established 17 years, and will be leased to responsible parties only, April 1st. All stock to be sold by inventory. Located within 50 miles of New York City. Address

JOHN YOUNG, 51 W. 28th St., New York.

FOR SALE

102 acres fine land, part cultivated	$2,800.00
Lot 52x241, four greenhouses, sheds, etc	3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain	3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling	4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc	6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business	7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling	9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

Pleasure and Profit.

AM. FLORIST CO.—Your paper is a weekly source of pleasure and profit to every one connected with this concern and three copies of it have been subscribed for by the company for several years—one to my house, one to the greenhouses and one to the store. In addition to that the foreman and one or two of the men each receive a copy.

J. A. VALENTINE, Pres.,
Park Floral Co.

Denver, Colo., Jan. 15, 1900.

Wholesale Flower Markets

CINCINNATI, March 1.

Roses, Beauty, select	40.00
" " medium	20.00
" Bride	5.00@ 8.00
" Bridesmaid	5 00@ 8 00
" Meteor	5.00@ 7.00
" Perle	4.00@ 5 00
Carnations	1 50@ 2 00
" fancy	3.00@ 4 00
Lily of the valley	3.00
Violets	50.@ .75
Narcissus	3 00
Roman hyacinths	2 00@ 3.00
Callas	10.00@12 50
Harrisii	10.00@12.50
Daffodils	3.00@ 4 00
Tulips	3.00@ 4.00
Asparagus	50 00
Smilax	12.50
Adiantum	1.00
Common ferns	.20
Galax Leaves	.15

ST. LOUIS, March 1.

Roses, Beauty	10.00@20.00
" " fancy	25.00@50.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	6 00@ 8 00
" Perle, Wootton	4 00@ 6 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4.00
Violets	.40@ .60
Narcissus	3.00
Romana	2.00@ 3.00
Callas	12.50@15.00
Harrisii	12 50@15.00
Tulips	2 00@ 4 00
Freesias	1 00@ 2.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Sweet Peas	1.00@ 1.50

MILWAUKEE, March 1.

Roses, Beauty, long, per doz.	5.00@ 6 00
" " medium " "	3 00@ 4.00
" " short " "	1.00@ 1 50
" Bride, Bridesmaid	6.00@10.00
" Perle	4.00@ 8.00
" Meteor	6.00@10.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.00@ 1.50
" fancy	3.00@ 4.00
Violets	.50@ 1.00
Roman Hyacinths	3 00
Daffodils	3.00@ 4.00
Mignonette	2.00@ 3.00
Adiantum	1.00@ 1 50
Common ferns	25
Smilax	15.00@18.00
Asparagus	75.00
Galax Leaves	.20

PITTSBURG, March 1.

Roses, Beauty	10.00@75.00
" Bride, Bridesmaid	4.00@15.00
" Meteor	4.00@15.00
" Kaiserin	4.00@15.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6 00
Carnations	1 50@ 4.00
Lily of the valley	2 00@ 4 00
Violets, double	.35@ 1 00
" California	.35@ .50
Narcissus Paper White	2.00@ 3 00
Daffodils	2.00@ 3.00
Roman Hyacinths	1 50@ 3.00
Harrisii	10 00@15.00
Freesias	1 50@ 2 00
Tulips	2.00@ 4.00
Mignonette	1.00@ 3 00
Smilax	12 00@15.00
Wild smilax, per case 3.50@6.00	
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches 40c	
" strings 35 to 50c	
" Sprengerii, bunches 35 to 75c	
Galax Leaves	.15

DENVER, Feb. 28.

Roses, Beauty, select	32.00@48.00
" " ordinary	15.00@20.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	8.00
" Perle, Wootton, Niphetos	6 00
Carnations, ordinary	2.00
" fancy	3.00
Lily of the valley	5.00@ 6.00
Violets	50@ .75
Callas, per dozen	1.50
Roman Hyacinths	3.00
Narcissus	3.00@ 4.00
Daffodils	4.00
Sweet peas	1.50
Asparagus	50.00
Smilax	17.00
Ferns	.30
Galax Leaves	.20

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CYPRIPEDIUM INSIGNE	.25	2.50

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. per dozen, $1.00
DRACAENA TERMINALIS, nice plants, 2½-in. " 1.00
(*Special prices will be quoted on application for these plants in quantity from the sand.*)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O.

WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

HUDSON & CO.
WHOLESALE FLORISTS,
1527 PINE STREET,
Phone, Kinloch D 83. ST. LOUIS, MO.
Consignments Solicited. Prompt returns guaranteed.

WM. L. LINGENBRINK,
Wholesale Florist.
FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
1005 Seventeenth St., Denver, Col.

HARDY Cut Ferns!

$1.00 PER 1000.

GALAX LEAVES.....$1.00 per 1000
BOUQUET GREEN.....4 cts. per lb.
SPHAGNUM MOSS.....75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order.....3 to 8 cts. per yd.
XMAS TREES, both Spruce and Balsam, for decorations, from 4 to 20 ft. Price very reasonable.
BAILED SPRUCE, for cemetery use, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen.

	Per Dozen.
AM. BEAUTIES, Ex. long	$5.00 to $6.00
" 24-inch stems,	3.00
" 20 " "	2.50
" 15 " "	2.00
" 12 " "	1.25
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 1.50
BRIDES	6.00 to 8.00
BRIDESMAIDS	6.00 to 8.00
METEORS	6.00 to 10.00
PERLES	4.00 to 6.00
VALLEY	3.00 to 4.00
TULIPS	2.00 to 4.00
LIL. HARRISII	10.00 to 12.50
CALLA LILIES	10.00 to 12.50

	Per 100.
DAFFODILS	$3.00
VIOLETS, double	1.00
" single	.50
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	1.00
ASPARAGUS.....50 cts.	
SMILAX.....$1.50 per doz.	12.50
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS...$1.25 per M.	.15

WILD SMILAX. (Caldwell's.)

No. 1 contains 15 lbs.		$2.50
No. 2 "	20 lbs..	3.50
No. 4 "	35 lbs..	4.50
No. 5 "	40 lbs..	5 50
No. 6 "	50 lbs..	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's

Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc. MASSACHUSETTS FANCY FERNS, per M $1.25; 5 M lots, $5.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

KENNICOTT BROS. CO.

Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Cernetions, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

Wholesale Flower Markets

CHICAGO. March 2

Roses, Beauty,	extra long stems		4.00@ 5.00
" "	30 inch	"	3.00@ 3 50
" "	24 "	"	2.50
" "	20 "	"	2.00
" "	15 "	"	1.50
" "	12 "	"	1 25
" "	8 "	"	1 00
" Bride, Bridesmaid.			6.00@10.00
" Perle			4.00@ 6.00
" Meteor			6.00@ 8.00
" Kaiserin			8.00@10 00
" La France			6.00@ 8.00
" Golden Gate			10 00
Carnations			1.50@ 2.00
" fancy			3.00@ 4.00
Violets, double			.50@ 1.00
" single			.40@ .50
Lily of the valley			3.00@ 4.00
Cattleyas	per doz.	4.00@6.00	
Dendroblums	"	3.00	
Lilacs	"	.75@1.00	
Mignonette			1.00@ 2.00
Roman hyacinths			1.00@ 2 00
Dutch hyacinths			4 00@10 00
Narcissus			3 00@ 4 00
Harrisii			10.00@12 00
Callas			8 00@10 00
Freesias			1 00@ 3 00
Tulips			2.00@ 4.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			8 00@10.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Meneger,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties — Roses — Violets

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT PITTSBURGH, PA. A.D. 1763 COL. BOQUET.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

Wholesale Commission Florists.

New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

LONG DISTANCE TELEPHONE.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, Always on Hand: CARNATIONS. BRIDESMAIDS. BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

N. F. McCarthy & Co.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64. PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Feb 28.

Roses, Tea	6.00@10.00
" " extra	10.00@12.00
" Beauty, extra	40.00@60.00
" " firsts	20.00@30.00
" " seconds	6.00@12.00
Carnations	1.00@ 1.50
" fancy	2.00@ 4.00
Lily of the valley, Romans	3.00@ 4.00
Violets	50@ 1.00
Daffodils	4.00@ 6.00
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	15.00
Adiantum	1.00

BOSTON, Feb. 28.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	4.00@ 6.00
" " extra	8.00@12.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets, single and double	40@ .60
Daffodils	2.00@ 3.00
Longiflorums	10.00@12.00
Callas	6.00@ 8.00
Freesias	.50@ 1.00
P. W. Narcissus, Roman Hyacinths	1.50@ 2.00
Mignonette	3.00@ 4.00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq.
39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists.
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, Feb. 28.

Roses, Beauty select	30.00@35.00
" " medium	10.00@20.00
" " culls	2.00@5.00
" Bridesmaid, Bride, Meteor	2.00@6.00
" " " Select	8.00@10.00
Carnations	1.00@1.50
" fancy	2.50@5.00
Lily of the valley	1.50@3.00
Violets	.25@.50
Romans Hyacinths, P. W. Narcissus	1.00@1.50
Yellow Narcissus	1.00@2.00
Mignonette	2.00@5.00
Sweet Peas	1.00@1.50
Callas	6.00@8.00
Harrisii	10.00@12.00
Lilac, per bunch	.50
Freesias	50@.75
Cattleyas	30.00@50.00
Smilax	10.00@15.00
Asparagus	35.00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, March 1.

Roses, Beauty	5.00@60.00
" Bride, Bridesmaid, Meteor	3.00@12.00
" Perle, Niphetos	3.00@5.00
" Kaiserin	3.00@8.00
Carnations, ordinary	1.00@2.00
" fancies	2.00@4.00
Lily of the valley	2.00@4.00
Violets	.50@1.25
Mignonette	2.00@4.00
Daffodils	3.00@4.00
Roman Hyacinths	1.00@3.00
Harrisii	15.00@20.00
Callas	8.00@12.00
Tulips	3.00@4.00
Smilax	10.00@15.00
Adiantum	.75@1.25
Hardy Ferns, Galax Leaves	.15
Asparagus	30.00@60.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN IS NOW AT 106 W. 28th St., NEW YORK CITY,
where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square. .....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

ALFRED UNGER, of Louis Boehmer & Co., Yokohama, left New York for Japan, February 24. He sails from San Francisco, March 7.

H. F. DARROW, formerly with L. L. May & Co., of St. Paul, is now advertising manager of the *Family Circle*, a Minneapolis publication.

VISITED CHICAGO: Frank Emerson, of Waterloo, Neb.; H. Cheesman, representing the Cox Seed Co., New York; W. C. Langbridge, representing Jerome B. Rice & Co., Cambridge, N. Y.

CHICAGO.—Jacobus Keur, of C. Keur & Sons, bulb growers of Hillegom, Holland, was a recent visitor and reports business very satisfactory. Mr. Keur is accompanied this year by J. Th. Scheepers, who is covering the southern states.

AN association of American advertisers has just been formed, to labor for the interests of the big advertisers, and on its rolls are W. Atlee Burpee & Co. and Wm. H. Maule, of Philadelphia, and Peter Henderson & Co., of New York. Mr. Burpee is a member of the committee on foreign trade and general advertising, Mr. Maule of the board of control and the committee on express and freight rates, and Charles Henderson of the committee on postal facilities.

Drougth in Southern California.

Southern California has had a very peculiar winter season. The rains came early and until early in January the weather was all that could be wished for by the growers. Now we are suffering for rain, none of any consequence having fallen since the first week in January. It is only mid winter with us, yet everyone who can get water is irrigating as though it were midsummer, and as water is "sold ahead" some must wait from two to three weeks before a supply can be obtained. Unless a good rain comes within two weeks all bulb and seed crops will be seriously affected, as many growers depend entirely upon the rains and have no facilities for irrigating.

D. R. W.

Will Carry Seeds Free.

Supt. Myers of the Southern Express Company issued a circular to its agents yesterday, the purpose of which is in effect at once, and continues until March 10. In it he says:

"With a desire to assist the growers of vegetables who have so recently lost their crops by the disastrous freeze, the president of this company, in concurrence with the railroads, very kindly instructs that we may carry vegetable seeds or plants (except potato) without charge for transportation. This does not include charges on similar matter originating in the territory of other express companies; except that this company will refund its proportion of earnings on such shipments."—*Savannah News, February 24, 1900.*

TORONTO, ONT.—The Gardeners' and Florists' Association and the Toronto Horticultural Society will hold a joint carnation and violet show March 8 at which displays of all the latest sorts are promised.

...Our New March 1st...

MARKET GARDENERS' AND FLORISTS' WHOLESALE CATALOGUE

Is now ready, and if you do not receive a copy by mail, write for it.

Special Offer of... Bulbs.

	Per doz.	Per 100
Begonia, tuberous rooted, single, mixed	35c	$ 2.00
" " " rose, crimson, scarlet, pink, yellow and white	40c	2.50
Caladium Esculentum, small size		3 50
" " medium size		6 00
" " large size		12.00
Gloxinias, choice mixed	50c	3.50
Tuberoses, double Pearl No. 1...Per 100, 85c; Per 1000, $6.50		

JOHNSON & STOKES, 217 & 219 Market St., Philadelphia.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of CHOICE FLOWER SEEDS FOR FLORISTS is now ready. A post-card will bring it to you.

We have still on hand some of our LILY OF THE VALLEY PIPS, the finest that come to this country. Per 1000, $10; cases of 3000 at $9 per 1000

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6 00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Please mention the American Florist when writing.

Tuberous Begonias, single, five separate colors extra fine large bulbs, ½-inch, per 100, $2.50 Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs per 100, $3.00. Cannas in choicest sorts, $2.00 to $8.00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Sprengi ri seed, 100 75c; 1000 $6.00. Asparagus P Nanus (TRUE) 100 $1.00; 1000 $9.00. Latania Borb. 100 40c; 1000 $2.50 Pandanus Utilis, 100 $1.25; 1000, $10.00. Cocos Wedelliana, 100 $1.00; 1000 $7.50. Send for our NEW spring list. Address H. H. BERGER & CO., 47 Barclay St., N. Y.

Always mention the American Florist when you order stock.

Gardening Under Glass

Try Watson's for SELECT STOCKS of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, originator's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25

MUSHROOM SPAWN, my celebrated "W. P." brand, best in the world, 10 lbs. for $1.00 Sample brick, postpaid, for 25c.

RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.

GRAPE VINES, for graperies, 30 varieties. 1-yr., 75 cts; 2-yr., $1.50 each.

Bailey's Forcing Book The latest up-to date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass. 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,

Importer and Exporter of GRASS and GARDEN SEEDS, BULBS, Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.

Office & salesroom, Juniper St. below Walnut, PHILADELPHIA, PA.

JOHN H. BOCKMANN

Begs to announce his arrival in New York, representing the firm of

H. ZIJP & CO.,

Bulbgrowers and Nurserymen, Uitgeest, Holland. Please address all correspondence up to May 10th care of Knauth, Nachod & Kuhne, 13 William St., New York City.

Please mention the American Florist when writing.

DREER'S SPECIAL OFFER

OF SEASONABLE BULBS.

Tuberous Rooted Begonias. The finest strains obtainable.

Singles in separate colors	40c per doz.	$2.50 per 100.	$20.00 per 1000
" " choice mixture	35c "	2.00 "	18.00 "
Double in separate colors	65c "	5.00 "	40.00 "
" " choice mixture	50c "	4.00 "	35.00 "

New Frilled Begonia. A grand novelty with wavy petals which are beautifully frilled like the finer forms of petunias. We offer strong bulbs, 25c each; $2.50 per dozen; $20.00 per 100.

New Sun-Proof Begonia, Duke Zeppelin. The most brilliant of all the tuberous rooted varieties, flowers double, of the most dazzling pure scarlet, strong bulbs, 20c each; $2.00 per dozen; $15.00 per 100.

Caladiums, Fancy Leaved. A choice assortment of 25 distinct varieties, strong bulbs, $2.00 per dozen; $15.00 per 100.

Caladium Argyriles. A fine lot of this most desirable and scarce miniature variety, which if started at once will make fine plants to use at Easter, good bulbs, $2.00 per dozen; $15.00 per 100.

Cosmia Aurea Imperialis. A summer flowering bulb of recent introduction, orange colored, star shaped flowers 3 inches across, 30c each; $3.00 per dozen.

Gloxinias in separate colors or in choicest mixture, fine sound bulbs, 50c per dozen; $4.00 per 100; $30.00 per 1000.

Dahlias. Our collections embrace the best now grown; we offer:

1 set of Twelve Double Show Dahlias	$1.00 per set.	$8.00 per 100	
" " " Fancy	1.00 "	8.00 "	
" Six Superb Quilled	.50 "	8.00 "	
" Twenty-five Choice Cactus	2.00 "	8.00 "	
" Ten Superb Single	.85 "	8.00 "	

Dahlia, Storm King or Blizzard, 25c each; $2.50 per dozen; $20.00 per 100.
Montbretias. Seven finest varieties, 25c per dozen; $1.75 per 100; $15.00 per 1000.
Tigridia Conchiflora, Grandiflora Alba and **Pavonia Grandiflora,** 30c per dozen; $2.00 per 100.
Caladium Esculentum, Gladiolus, Etc., Etc.

HENRY A. DREER, Philadelphia, Pa.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1.50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs G. Bradt, var.	5.00	Wm. Scott, pink	1 00
Glacier, white, fine	4.00	Lizzie McGowan	1 00

Gen. Maceo, best crimson.....$5 00 per 100
Mrs. Jas. Dean, fine pink..... 3 00 per 100
Nephrolepis, Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz.

Cash please. **CARL HAGENBURGER, West Mentor, O.**

A LIMITED QUANTITY of SEEDS for Spring Sowing.

Separate colors. Semple's Asters, crimson, lavender, pink, purple, white. Betteridge's prize quilled mixed, at $1.00 per ounce. Giant Branching Comet, rose pink, white, white striped pink, $ 2.00 per ounce. Silver tip, blue and pink, per trade pkt 25c. Mignonette, Allen's Defiance, 50c per ounce. Golden Machet, 25c per ounce. Pure Machet, 25c per ounce.

AMERICAN ROSE COMPANY, Washington, D. C.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McGowen	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y

CANNAS

The 3 Best Solid Red Cannas.

BLACK PRINCE	$10 00 per 100
PHILADELPHIA	4.00 per 100
DUKE OF MARLBORUGH,	4.00 per 100

BOSTON FERN, strong 2½-in. plants, $5.00 per 100.

The Conard & Jones Co., West Grove, Pa.

ROMAN HYACINTHS.

Narcissus, Paper White and Grandiflora.
Trumpet Major. True Freesia
Refracta Alba, and all other
bulbs for forcing.

One of the largest houses in Europe for Bulbs and Immortelles in all colors, at wholesale only. The best prices can be obtained by writing

A. ROCHE, OLLIOULES, VAR. FRANCE.

Carnation Cuttings

GENESEE.

The Best Commercial White to Date.
$3.00 per 100; $25.00 per 1000.

JOHN VAN DER WAL,
1730 W. 107th St., Station 48, CHICAGO, ILL.

ASPARAGUS SPRENGERI, fine plants, 2½-in. pot	$4 per 100
NEW FORGET-ME-NOT, Sutton's Gems, large plants ready to bloom	$5 per 100
DAHLIAS, named sorts, field roots	$4 per 100
BEGONIAS, (tuberous) single	$2 per 100
GLOXINIAS, fine strain	$3 per 100
GLADIOLI, fine mixture, 2d size	$4 per 1000

SEND FOR CATALOGUE AND LIST OF BULBS.

A. BLANC & CO., Philadelphia.

New Carnations.

12 NOVELTIES of 1900.
27 of the best STANDARD VARIETIES.

Send for price list.

Geo. Hancock & Son. Grand Haven. Mich.

Carnation Cuttings.

IN GOOD CONDITION FROM GOOD STOCK.

Write for prices.

Huntsman & Company
CINCINNATI.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. **THE AMERICAN FLORIST.**

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

KANSAS CITY is planting 10,000 street trees this season.

ANDREW O'NEILL will plant 1400 trees on Broad street, Philadelphia, for $9,240.

IT is estimated that 300,000 grape roots will be set in the vineyards at Lawton, Mich., this spring.

HENRY KOHANKIE, for twenty-five years with Storrs & Harrison, and C. W. Metcalf, of Cleveland, O., have formed a partnership as the Euclid Avenue Nursery Co.

LUTHER BURBANK has just received a consignment of stock from South America, including a great many varieties of oranges from which he hopes to develop some valuable sorts.

IN opening the bids for nursery stock required by the different parks of Pittsburg, it was found that Thomas Meehan & Sons, of Philadelphia, were the lowest bidders. This firm was awarded the contracts for every section, amounting in all to nearly 10,000 hardy trees, shrubs, vines and evergreens.

HOLYOKE, MASS.—E. H. Howland has purchased the business of M. W. Griffith and will combine it with his own.

INDEPENDENCE, MO.—Alfred Broman built two houses 20x100 last year and will this spring make an equal addition for carnations. Last summer he erected a fifty-foot smoke stack and put in a new forty horse-power boiler.

We are now booking Import Orders for

H. P. ROSES,

in all popular varieties, at $50.00 per 1000, f. o. b. Boskoop, Holland.

We would be glad to give prices upon Rhododendrons, Azalea Mollis, Clematis, hydrangeas, etc., upon application.

ENGLISH IVY. Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting. $4 per 100, $35 per 1000.

Bobbink & Atkins,
....RUTHERFORD, N. J.
NURSERY AND STORAGE CELLAR AT
Carlton Hill, N. J.

Ampelopsis Veitchii	2 yr. strong.....	Per 100	$ 7.00
Clematis Jackmanni,	2 yr. extra strong,	"	14.00
Standard hydrangea P. G.,	3—3½ ft....	"	18 00
" Lilacs,	assorted, 3—4 ft.....	"	10.00
" Japan Snowball,	3½—4 ft....	"	18.00

These prices are good only until surplus is reduced. SEND FOR LIST OF OTHER STOCK—Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

AMERICAN ELMS.

8 to 10 feet, 1 to 1½ inch caliper.
25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.
SEND FOR PRICE LIST.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Please mention the American Florist when writing.

ROSE BUSHES.

FIELD-GROWN. OWN ROOTS. FIRST-CLASS PLANTS.

Many sorts being extra fine. Our Brides and Henriettes we might term "fancy" stock. Bride will run close to two feet, which is prime for that sort; Henriettes are heavy, running two to three feet Most Teas and H. T's will run close to two feet—some sorts larger, even, while a very few of the poorer growing sorts are not much over one foot. The Hybrids will of course average up heavier than tender varieties—all very fine. Leading varieties we can do in quantity, being especially heavy on such as Bride, Henriette, La France, Bon Silene, Brabrant, Soupert, Devoniensis, Safrano, Wootton, Carnot, White Rambler, etc. La France in grades from 7 to 9 cents; the 7 cent grade being about 12 to 15 inches high and woody. An average assortment of these plants will weigh in the neighborhood of 300 pounds to 1000 plants, packed light, not including weight of packing cases; while a selection of all heavy sorts will weigh more. This stock is freshly dug, grown in our virgin soil of Southern California, free from disease or insects and will give you and your trade satisfaction. We have sold thirty thousand Roses during the past sixty days, but have twenty-five thousand more which must be sold—hence extremely low prices appended. Prices will apply to not less than ten of a variety, properly packed, f. o. b. Los Angeles.

Bon Silene, Dinsmore, Duchess de Brabant, Duchess of Albany (rather light), Fr. Kruger, La France Lady Penzance, Lord Penzance, Marie Ducher, Mignonette, Mme. G. Bruant, Marie Lambert, Mme. Bravy, Parquerette, Rainbow, Souv. de Wootton, Waban, White Bath, White Rambler, Devoniensis. **$7.00 per hundred.**

Alfred Colomb, Clothilde Soupert, Coquette de Lyon, Earl of Dufferin, Empress of China, Dr. Grill, Fisher Holmes, Homer, La France, Baroness de Rothschild, Belle Siebrecht, Bride, Beauty of Glazenwood, Captain Christy, Crimson Rambler, Gen. Jacqueminot, Gen. Washington, Hermosa, Jules Finger, John Hopper, Jas. Nabonnand, La Reine, Louis Van Houtte, M. P. Wilder, Margaret Dickson, Mrs. J. Laing, Paul Neyron Prince C. de Rohan, R. M. Henriette, Safrano, Souv. du Pres Carnot, Vis. Folkstone, White La France. **$7.50 per hundred.**

La France, Souv. de la Malmaison, Ulrich Brunner. **$9.00 per hundred.**

Isabella Sprunt, Catherine Mermet, Cecil Brunner, Duchess of Albany, X X X, Etoile de Lyon, Gloire de Dijon, Magna Charta, Mme. de Watteville, Papa Gontier, Perle, White La France, Yellow Rambler. **$10.00 per hundred.**

Cloth of Gold, Climbing Wootton, Climbing Safrano, Kaiserin, Testout, Mrs. Robt. Garrett Princess Bounie, Gen. Robt. E. Lee. **$15.00 per hundred.**

Climbing Kaiserin, Maman Cochet, X X X. **$25 00 per hundred.**

Japanese Iris, $7 00 per 100. These are grown from plants of our own importation, and comprise the best varieties grown at Yokohama; they are field grown and handsomely rooted.

OWN ROOT PLANTS LEAD.

The only place in the United States where you can get good stock of own root, field-grown Roses in variety, including tender sorts. Shipments by freight must be prepaid here, and we require at least 25 per cent cash with orders; balance payable on arrival of stock. Less than 500 plants, cash with order. A few hundred plants can be shipped by express, packed light, so that, considering our low prices, plants will not come very high laid down at most any point.
Come at us quickly and make sure of 'em.

THE HOWLAND NURSERY COMPANY, Los Angeles, Cal.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

CLEMATIS PANICULATA & AMPELOPSIS VEITCHII

$40 to $70 per 1000. $35 to $50 per 1000.
We have the above in large quantities, 2 and 3 years old, fieldgrown.

Grasses at $2 per 100; Cal. Privet, $12 per 1000.

Stock for transplanting. Shrubs in large quantities cheap. Send for wholesale list.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

IRISH AND SWEDISH Juniperus

	100	1000
6 to 9 inches, transplanted.....	$ 5.00	$40.00
9 to 12 " "	6.00	50.00
12 to 15 " "	7.00	60.00
15 to 18 " "	8.00	75.00
18 to 24 " "	10.00	
24 to 30 " "	13.00	
30 to 36 " "	15.00	
15 to 18 Savin Junipers.....	6.00	

Rooted Cuttings ready May 20.
Roses, clean, healthy plants from 2-inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, Bridesmaid, La France, Albany, Wootton and Testout. One year old dormant pot grown Wootton, $5.00 per 100. Ismene Calathinum white summer blooming Amaryllis, strong bulbs, first size, $12.50 per 100; second size, $10.00 per 100.

JOSEPH HEINL, Jacksonville, Ill.

FRUIT and ORNAMENTAL TREES
SHRUBS
VINES
AND ROSES

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. **...The American Florist.**

LILIUM SPECIOSUM RUBRUM.

Spring Bulbs...

TUBEROSES, True Excelsior Dwarf Pearl.
CALADIUM ESCULENTUM.
GLADIOLUS in largest assortment.
LILIUMS, AURATUM, SPECIOSUM ALBUM and RUBRUM. All sizes. Etc., Etc.

FOR THE FLORIST, SEEDSMAN AND MAIL ORDER HOUSE.

We carry an immense stock and you will find OUR PRICES LOWEST, consistent with quality.

CHICAGO: 84-86 Randolph St. **Vaughan's Seed Store,** New York: 14 Barclay St.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Gov. Griggs	2.00	15.00
Hector	3.00	25.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15.00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

ROSES.	100	1000
American Beauties	$3.00	$25.00
Brides	1.50	12.50
Maids	1.50	12.50
Meteors	1.50	12.50

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Jubilee	2.00	15.00
Bon Ton	2.00	15.00

Crimson.	100	1000
Gen. Maceo	$6.00	$50.00
Gen. Gomez	6.00	50.00
Evanston	2.00	15.00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00
Sandusky	3.00	25.00

Yellow.		
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.		
Argyle	$1.50	$12.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

Carnation Cuttings.

MRS. LAWSON	$14.00
G. H. CRANE	5.00
AMERICA	3.00
MELBA	3.00
LESLIE PAUL	3.00
GOV. GRIGGS	3.00
MRS. BRADT	3.00
FRANCES JOOST	2.50
EVANSTON	2.50
JUBILEE	2.50
VICTOR	2 00
WHITE CLOUD	2.50
FLORA HILL	2 00
GOLD NUGGET	2.00
TRIUMPH	2 00
DAYBREAK	1.25
ARGYLE	1.25
ARMAZINDY	1.25
LIZZIE McGOWAN	1 00
EVELINA	1.00
MAYOR PINGREE	1.00
WM. SCOTT	1.00
NIVEA	1.00
MORELLO	1.00

10 PER CENT. DISCOUNT ON THOUSAND LOTS.

ROSE CUTTINGS.

METEOR	per 100,	$1.50
BRIDESMAID	"	1.50
PERLE	"	1.50
BRIDE	"	1.50
GOLDEN GATE	"	2.50

Write for prices for large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG,
51 WABASH AVE., CHICAGO.

PERU

A New
Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

Please mention the American Florist when writing.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

NEW YORK won out on the series of games with Flatbush and Hudson county bowlers on the Flatbush alleys March 1.

At St. Louis.

The bowling club rolled five games on February 26; the following is the score:

Player	1st	2d	3d	4th	5th	Av
Beneke	137	209	156	139	165	161
Kuehn	124	166	176	165	148	156
Kunz	139	172	152	134	164	152
Weber	88	161	142	177	137	141
Sanders	138	164	125	155	100	137
Adles	90	117	110	93	137	110

J. M. H.

At New York.

Practice goes on steadily at the bowling alleys. Last Monday Messrs. Burns and O'Mara were both absent, but such experts can make big scores anytime without practice. Monday's figures are appended:

Player	1st	2d	3d	4th
Hafner	158	126	100	140
Marshall	115	160	141	132
Siebrecht	147	100	150	142
Traendly	134	137	150	131
Schenck		108	141	
Lang		129	170	136
Withers				112
Manda				152

At Chicago.

The most enjoyable entertainment ever given by the Chicago Florists' Club was that of February 28, held at Kinsley's bowling alleys. Despite the worst snow storm experienced here for many years, the alleys were crowded with ladies and gentlemen. The presence of the ladies, it may be said, created such a favorable impression that it will be difficult in future to have a game without them. We are confident that with a little practice the ladies can beat the men to a standstill and it is sincerely hoped they will come again soon and many a time in the future. The principal events were games between the married and single ladies and the retail and wholesale florists. The married ladies and the wholesale florists were victorious. While the wholesale florists secured two of the three games, it is worthy of note that in the aggregate score they triumphed over the retailers only by twenty-one points. Several scratch games were rolled, but it is only in the leading features that the scores are here recorded, as follows:

MARRIED VERSUS SINGLE LADIES.

Mesdames	1st	2d	3d	Misses	1st	2d	3d
McKellar	62	96	94	Eastman	74	65	50
Winterson	51	66	73	Kreitling	63	30	59
Balluff	49	49	83	F. Ludlow	43	36	55
Hauswirth	47	51	61	J. Ludlow	38	23	53
	209	262	311		218	154	217

WHOLESALE VERSUS RETAIL FLORISTS.

Wholesalers	1st	2d	3d	Retailers	1st	2d	3d
Winterson	131	133	135	Asmus	158	144	179
Stollery, G.	171	151	200	Hauswirth	152	151	114
Stollery, F.	124	168	168	Degnan	177	134	159
Wilson	161	177	138	Kreitling	128	137	139
Zeck	113	151	179	Balluff	180	151	187
McKellar	129	178	134	Hunt	145	132	
				Henderson			153
	829	958	954		940	849	931

SCRATCH GAME.

Hughes	125	Von Rosen	95
Enders	118	Ewart	89
Newett	107	Bonthey	79
Hauswirth, E.	97	Fogarty	63

With Philadelphia Gunners.

The gun club had a good afternoon's sport last Tuesday. Quite a number of crack shots other than florists have recently joined the club and it keeps the boys hustling to hold their end up. Geo. Anderson, however, is always ready for a brush with the best of them and came out on top with the best score of the day. The score follows:

	Reversed angles.	Unknown angles.	Dbls.	Hdp.	Total.
Anderson	22	14	8	9	53
McKaraher	21	12	4	16	53
Barrett	21	13	5	13	52
Coleman	21	12	8	9	50
Parsons	17	13	9	9	48
Dorp	19	14	1	14	48
Bell	17	9	9	10	45
Brown	22	13	6	4	45
Westcott	15	10	4	13	42
Swiveler	19	13	7		39
Clerk	18	7	7		32
Haywood	16	7	5		28

K.

At Philadelphia.

A match game with the second team of the Century wheelmen was played by the second team of the Florists' Bowling Club on the home alleys last Monday night. While the florists did not cover themselves with glory they won out by 259 pins, a comfortable margin, as the visitors did not at any time seem to feel at home. Our short run hinders visitors who are used to the regulation length. This could be remedied very easily but the little compartment that interferes has to remain and get in its interference ad libitum. The score follows:

Player	1st	2d	3d	Total
Kift	134	151	135	420
Westcott	105	130	158	403
Harris	135	142	143	420
Scott	154	128	118	400
Kuestner	130	166	128	424
Walker	150	157	165	472
Team totals	818	874	847	2539
Century Wheelmen	767	792	721	2280

K.

MONTPELIER, VT.—Ernest Jacobsen's greenhouse was completely inundated by the flood of February 20, and then frozen in. His loss was fully $600 and was only one more of a series of similar happenings which have pursued him from his old location.

WIETOR BROS.

51 Wabash Ave., CHICAGO,

WHOLESALE GROWERS OF CUT FLOWERS.

WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES.....

Wholesale Price List.

AMERICAN BEAUTY

30-36 in. stem	per doz.,	$7.00	
24 "	"	5.00	
20 "	"	3.50	
15 "	"	2.50	
12 "	"	1.50	
8 "	"	1.00	

METEOR	per 100	$5.00 to 10 00
BRIDESMAID	"	6.00 to 8.00
BRIDE	"	6.00 to 8.00
PERLE	"	4.00 to 6.00
CARNATIONS	"	2.00 to 3.00
" Fancy	"	4.00

Quotations subject to change without notice. All other stock at lowest market prices.

"MURDER WILL OUT."

We have always claimed to be selling as good flowers as come to this market.
If this were not true, it would have been so proved before this.
IT IS TRUE!

E. C. AMLING,
32-34-36 Randolph St.,
CHICAGO, ILL.

WALTER S. HEFFRON, MANAGER.

Wholesale Cut Flowers. Carnations our specialty. Sole Chicago sales agents for E. G. Hill & Co's fancy stock.

WRITE FOR OUR WEEKLY PRICE LIST.

GIVE US YOUR ORDER ON

Valley, Roses, Violets,

CARNATIONS, FANCY AMERICAN BEAUTIES, SMILAX, ASPARAGUS, NOVELTY PINK TULIPS, or ANYTHING ELSE IN THE FLOWER LINE.

HOLTON & HUNKEL CO., Milwaukee, Wis.

CARNATIONS.

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY.

G. H. Crane, Morning Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts.

Mrs. Geo. M. Bradt for March Delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. Dorner & Sons Co.,

LAFAYETTE, IND.

100,000 R. C--No Discount.

CARNATIONS, Ready.

	Per 100
Mrs. Thos. W. Lawson, pink	$14.00
Ethel Crocker, "	10.00
Olympia, variegated	12.00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	5.00
America, scarlet	4 00
Melba, light pink	3.00
Mrs. Geo. M. Bradt, variegated	3 00
Glacier, white	3.00
Maud Adams, dark pink	3.00
Gomez, dark red	4.00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3 00
Argyle, pink	1.50
Triumph, "	1.50
Daybreak, shell pink	1.00
Empress, dark red	1.00
Flora Hill, white	1.25
White Cloud, "	2 50
Mary Wood, fine white	3.00
Jubilee, scarlet	1.25
Psyche, variegated	1.00
Morello, dark scarlet	1.00
Wm. Scott, pink	1.00
Lizzie McGowan	1.00

5 cuttings at 100 rates.

THE MORRIS FLORAL CO., MORRIS, ILL.

.....It's a "CATBIRD"

Was the exclamation of one of the best growers in the west when he discovered this sport, four years ago. By carefully handling it, and not over-propagating it, we are now able to offer to the trade a clean, healthy stock of the best

Red Carnation

On the market, for both grower and retailer. Not quite as large as Crane or Jubilee, but an intense red, on long, stiff stems, averaging **Sixty-five Blooms** to the plant. Received honorable mention at the Carnation show in Chicago January 19. Rooted Cuttings, $2.50 per 100; 2-in. pots, $3.50 per 100.

LAKE GENEVA FLORAL CO.,

LAKE GENEVA, WIS.

THE GREAT AND ONLY

EXCLUSIVE CARNATION SPECIALISTS.

CUTTINGS NOW READY.

	Cuttings. Per Doz.	Per 100	Per 1000.
Genevieve Lord, the peer of any light pink carnation offered	$2.00	$10.00	$75.00
Chicago, scarlet Bradt	1.50	7.50	60.00
Mrs. Lawson, cerise pink	3.00	14.00	120.00
Olympia, variegated	2.00	12.00	100.00
Ethel Crocker, pink	1.50	10.00	75.00
Marquis	2.00	10.00	75.00

	Cuttings. Per 100	Per 1000
Frances Joost pink	$2.50	$20.00
Mrs. Jas. Dean, pink	2.50	20.00
John Young, white	2.50	20.00
White Cloud, white	4.00	30.00
Mrs Bradt, variegated	5.00	40.00
Gen. Maceo, crimson	6 00	50.00
Gen. Gomez, crimson	6.00	50.00
G. H. Crane, scarlet	6.00	50.00
Gold Nugget, yellow	2.50	20.00

	Cuttings. Per 100	Per 1000
Argyle, carmine	$2.50	$20.00
Jubilee, scarlet	2.00	15.00
Armazindy, variegated	2.00	15.00
Evelina, white	2.00	15.00
Wm. Scott, pink	2.00	15.00
Victor, pink	2.00	15.00
Daybreak, light pink	2.00	15.00
Flora Hill, white	2.00	15.00

☞ We have shipped 100,000 cuttings this season without a kick.

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50

	Per 100	Per 1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

*All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

WELL-ROOTED

CARNATION CUTTINGS

Strictly First-class Stock from Our Own Greenhouses.

	Per 100
Wm. Scott, Edith Foster, Daybreak, Freedom,	$1 00
Mrs. Frances Joost	2.50
Flora Hill	1.50

Ready now. Orders booked for future delivery from sand or soil.

N. F. McCARTHY & CO.,

84 Hawley St., BOSTON, MASS.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

ROOTED CUTTINGS OF NEW AND STANDARD

CARNATIONS

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Pa.

Please mention the American Florist when writing.

ETHEL CROCKER,

.....$10 PER 100.

	Per 100	Per 1000
AMERICA	$5.00	$40.00
G. H. CRANE	6 00	50.00
FLORA HILL	1.50	10 00
WHITE CLOUD	3.50	30.00
MRS. JOOST	2.50	20.00
DAYBREAK	1.50	10.00
VICTOR	1.50	12.50
BRADT	5.00	40.00

GRAFTED ROSES, LIMITED SUPPLY.

H. F. LITTLEFIELD,

WORCESTER, MASS.

American Florist Advertisements Pay Advertisers.

Pittsburg.

WINTER WEATHER HAS SLIGHT EFFECT ON TRADE.—A GOOD SEASON ALL THE WAY THROUGH.—DAMAGE AT PHIPPS CONSERVATORIES.

A week of real winter weather has not stopped a good business all along the line. It has been a little tough for handling plants for decorations but trade goes right on without any very serious interference. If the grower's cut is not what he thinks he has a right to expect he has no kick as to the price for the stock he does bring in, at least on the staples, roses and carnations. The whole season through has been good, from Thanksgiving to Lent.

Phipps Conservatories, at Schenley Park, suffered quite a little in last week's storm. In the large show house the wind drove in large panes of glass, destroying as they fell several valuable palms and banana plants.

S. S. Skidelsky is in town. G. O.

COLEUS

2½-in. fine, strong plants, ready to cut cuttings from; $1.50 per 100.

Cyclamen Seedlings, My own and best strain obtainable, $2.00 per 100, $15.00 per 1000.

Exchange for Plants suitable for Ferneries.

C. WINTERICH, Defiance, Ohio.

CARNATIONS ROOTED CUTTINGS.

Crane $6 per 100, America $5 per 100, White Cloud $4 per 100, Jubilee $2 per 100, Scott, Daybreak Victor, F. Hill, McGowan, Evelina, Genesee, Eldorado, $1.25 per 100, $10 per 1000.

ROSES, 2-in Pots, Select Stock

Am. Beauties 5c, Perle 4c, Brides and Bridesmaids 3c. Send for list of other varieties.

WM. MURPHY, Station F, Cincinnati, O.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. NORWOOD NURSERIES,

Rea Brothers. NORWOOD, MASS.

SMILAX FROM FLATS

By mail, 50c per 100; $4.00 per 1000.
2-in. pots, $1.50 per 100; $13.00 per 1000.

Geraniums, 2-in. pots... $2.25 per 100; $20.00 per 1000.
Hydrangeas, 3-in. pots, $5.00 per 100; 4-in. pots, $10.00 per 100.
Canna Clumps.....$3.00 per 100

Send for Samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

CHAMAEROPS EXCELSA

Showing character leaves, in 2½-in. pots, ready to be planted in 4 in., $8 per 100; $70 per 1000.
Larger, 4-5 feet, $10 a doz., $75 per 100.
PHOENIX CANARIENSIS, 2-in. pots $6 per 100; $50 per 1000. Larger specimens of Chamaerops and Phœnix up to 15 feet high, $10 to $25 a piece.

CASH WITH ORDER, PLEASE.

A. ROEDDER, Shorb, Cal., near Los Angeles.

ALTERNANTHERAS,

	Per 100
Red and Yellow, from 2-in. pots.	$1.25
Red and Yellow, Rooted Cuttings	.50
COLEUS, mixed, Rooted Cuttings	.60
FUCHSIAS, from 2-in. pots, mixed	1.25
FUCHSIAS, Rooted Cuttings	.75
VIOLETS, Marie Louise, Rooted Runners	.50
BOSTON FERN, nice 3-in	7.00

J. W. DAVIS, MORRISON, ILL.

Please mention the American Florist.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List. Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000		100	1000
G. H. Crane	$6.00	$50.00	Flora Hill	$2.50	$20.00
General Gomez	5.00	40.00	America	6.00	50.00
General Maceo	5.00	40.00	Melba	5.00	40.00
Mrs. Frances Joost	3.00	25.00	Maud Adams	5.00	40.00
Mrs. G. M. Bradt	5.00	40.00	Gold Nugget	3.00	25.00
White Cloud	3.00	25.00	Jubilee	3.00	20.00
Glacier	6.00	50.00	Daybreak	2.00	18.00
Cerise Queen	3.00	25.00	Tidal Wave	2.00	15.00
Mrs. Jas. Dean	3.00	25.00	Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

When writing mention the American Florist.

THE IDEAL PINK CARNATION **Genevieve Lord**

Fills the bill. The ladies declare it is just right in color. We claim it has the best stem of any Carnation. That it will rank very near the top in size. That its odor is very sweet. That it is the most profitable Carnation we ever grew. That it has an individuality all its own. Customers recognize it at a glance. There is not a great deal left that is wanting in this variety. If you want to make money, plant it. But don't delay, for stock for delivery prior to March 20 is all sold. It is an easy, rapid grower, however, and the April and May deliveries will make large, fine plants. Some of the finest plants we have are from cuttings from sand planted in the field June 1st. Remember all sold until March 20th. If you wait too long the chances are that we will be sold out of stock. Make yourself safe by ordering at once.

PRICE
$2.00 per Dozen,
$10.00 per 100,
$75.00 per 1000.

H. WEBER & SONS,
OAKLAND, MD.

Our catalogue is now ready; in it are listed the above as well as all the new "big ones" at introducers' prices, all the best standard sorts, and a complete list of chrysanthemums, novelties and standard sorts.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With 18 000 stock plants to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000.
Price list of standard vars. ready now. **ALBERT M. HERR, Lancaster, Pa.**

CARNATION CUTTINGS.

We have all the new and standard varieties.

Write for prices. WEILAND-RISCH FLORAL CO., Evanston, Ill.

New Crop
WINTER-BLOOMING CARNATION SEEDS

Hand fertilized, 25c per 100. Cash with order.

AMERICAN ROSE COMPANY, Washington, D. C.

MARY A. BAKER AND ANNA C. EASTBURN,

Two best white Carnations I have ever grown. Sandusky, Duke of York and Melba, $3.00 per 100, $40.00 per 1000. Empress and Wellesley, $2.50 per 100, $20.00 per 1000. Flora Hill and Mayor Pingree, $2.00 per 100, $15.00 per 1000. Scott, McGowan, Cartledge Portia, Eldorado and Tidal Wave, $1.50 per 100, $12.00 per 1000. Also Giant Double Alyssum and Double Rudbeckia.

Send for Descriptive Price List.

LOUIS B. EASTBURN, Kennett Square, Pa.

ROOTED CUTTINGS

Nice. Clean Stuff, and Well-Rooted.

Verbenas, 75,000 now ready, twenty-six varieties.....100, 60c.; 1000, $5.00; 5,000, $25.00

New Daisies, (or Marguerites), the best that have ever been introduced. Try a few of them and find out for yourself.

Carl Poehlman—the new yellow ever-blooming Paris Daisy.....Doz., 25c.; 100, $1.25

Madame Farlaiellon—bright, silvery-green foliage, white flowers, very dwarf grower Doz., 25c.; 100, $1.25

Madame Gailbert—large white petals, yellow disc. Nothing can be imagined that is finer Doz., 25c.; 100, $1.25

New Salvia Yellow Bird—bright yellow foliage, bright scarlet flowers, Doz., 20c; 100, $1; 1000 $9.

Salvia Habald—This is more dwarf and much better than Old Splendens. Doz., 20c; 100, $1.00; 1000, $9.00

Geranium—Mme. Salleroi....100, $1.25; 1000, $10.00

Ageratum—Princess Pauline Doz., 20c.; 100, $1.00; 1000, $9.00

Coleus—Golden Verschaffeltii, Scarlet Verschaffeltii, Fire Brand, Tam O'Shanter, South Park Gem, Alhambra, Fire King, Golden Crown, Midnight, Salvator, John Goode, Spotted Gem, Combination, Mrs. F. Sanders, Nigger, Queen of the West, Beckwith's Gem,...100, 70c.; 1000, $5.50; 5000, $25; 10,000, $45.

Heliotropes—three fine varieties. Doz., 20c.; 100, $1.00; 1000, $9.00

Manettia Vine.....Doz., 25c.; 100, $1.25; 1000, $11.00

Alyssum—New Double Grant. Doz. 20c.; 100, $1.00; 1000, $9.00

Abutilon—Souv. de Bonn.....Doz. 20c.; 100, $1.25
" Savitzii.....Doz. 40c.; 100, $2.50

Send for Price List.

I pay Express charges and guarantee to please you in every way.

S. T. DANLEY, MACOMB, ILL.

New Ever-Blooming Geranium

AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gloire de Lorraine.

Floriferousness Phenomenal

Strong plants, 50c each; $5.00 per doz.

MARS 2¼-inch pots, $5.00 per hundred

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden Southey, etc., for $2.00. One **America** free with each set. Plants guaranteed A1 in every respect. CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa.

FOR SALE

Two thousand **BRIDES** and two thousand **BRIDESMAIDS** in 2½-in. pots, now ready.

Price $3.00 per 100.

JOHN L. WYLAND, - - DeHaven, Pa.

MANETTI AND MULTIFLORA

..... STOCKS, X FINE,

$12.00 per 1000.

Send for Wholesale List.

THE ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.

SPECIALTIES

IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Please mention the American Florist when writing.

American Florist Advts.

Mean More Business.

GIVE US LIBERTY

Will be the cry when the plants are all sold.

Our stock of **LIBERTY,** the greatest crimson scarlet Rose ever introduced, **IS ALL SOLD FOR MARCH DELIVERY.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock, should order at once.

OWN ROOT PLANTS, from 2½-inch pots.

50 plants or more, and less than 100, 30 cts. each
100 plants and up to 1000, 25 cts. each
1000 plants and over, $200 per 1000
3-inch pot plants, 5c each additional.

GRAFTED PLANTS, from 2½-inch pots

50 plants or more, and less than 100, 50 cts. each
100 plants and up to 1000, 40 cts. each
1000 plants or more, $350 per 1000
3-inch pot plants, 5c each additional.

ROBERT SCOTT & SON, Sharon Hill, Delaware Co., Pa.

Eastern Agents, ROBT. CRAIG & SON, 49th & Market Sts., Philadelphia, Pa.
Western Agents, BASSETT & WASHBURN, 76-78 Wabash Ave., Chicago, Ill.

When writing mention the American Florist

50,000 **MANETTI.** 50,000

I have some very fine Irish and English Manetti Stocks on hand for inside grafting and can make immediate delivery.

$12.00 PER 1000.
Price for quantity on application.

HARRY A. BUNYARD,
42 West 28th Street, NEW YORK.

Golden Gate Rose

WINS THE LEAD.

As the largest growers of this rose in the world we offer two-eyed **ROOTED CUTTINGS** at **$2.50 per 100** by mail and we pay the postage. Large contracts solicited.....

Send for circular..... **AMERICAN ROSE COMPANY, Washington, D. C.**

American Beauties.

ORDERS RECEIVED NOW for Young Plants: will be ready April 1st.

2x3-inch pots, $6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK, - Wyncote, Pa.

Manetti Stocks

...FOR GRAFTING.

We can still offer a limited number of Manetti stocks for grafting, of good quality.

In lots of 1000.....$12.00 per 1000
" 2500..... 10.00 per 1000
" 5000..... 9 00 per 1000

HENRY A. DREER, 714 Chestnut St., Phila.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN.

Orders booked for small plants for April delivery, at $5 per 100; $40 per 1000.

A few of the larger sizes on hand for immediate delivery.

EDWIN LONSDALE,
P. O. Address for the time being:

Money Order office same as heretofore, **Chestnut Hill** (Sta. 11,) **Phila, Pa** — **WYNDMOOR,** Montgomery Co., PA.

Please mention the American Florist when writing.

Grafted Roses

A NO. 1 STOCK

ORDERS BOOKED NOW.

BRIDE, BRIDESMAID, GOLDEN GATE, KAISERIN, METEOR—2½-in. pots, $12.00 per 100, $90.00 per 1000.

Own Roots

WOOD FROM GRAFTED STOCK ONLY.

BRIDE, BRIDESMAID, KAISERIN, METEOR, BON SILENE—2¼-in. pots, $3.50 per 100, $30.00 per 1000; 3-in., $6.00 per 100, $50.00 per 1000.

GOLDEN GATE, AM. BEAUTY—2¼-in. pots, $4.00 per 100; 3-in., $7.00 per 100.

S. J. REUTER, Westerly, R. I.

Please mention the American Florist when writing.

Following **ROSES**

in 2 and 2½-inch pots, now ready to ship.

Perles, Woottons, Kaiserins, Maids, Beauties.

Those in 2½-in. have been shifted from 2s and are about ready for 3s.

A special in **BOSTON FERNS** in 5-in. pots. Write

GEO. A. KUHL, Pekin, Ill.

GERANIUMS. Alphonse Ricard, Poitevine, Pres. Dubois, J. D. Cabos, Prof. Poirault, Mme. Jaulin, E. G. Hill Louis Fages, Chaplin, La Favorite Nutt, Raspail Improved, John Doyle, etc., 2½ inch, $3 00 per 100. **STOCKS** Ten weeks, German, white or mixed 2¼-inch $1 50 per 100. **Shellroad Greenhouse Co.,** GRANGE P. O., Baltimore, Md.

Notes of a Western Traveler.

Salt Lake City has many things of floricultural interest. Stock which is planted out of doors here grows very luxuriantly. But it takes irrigation. Where there is no water Utah is the picture of desolation; nothing grows but cacti, grease weed, prairie dogs and jack rabbits. Then the hand of man touches the water button and nature does the rest. Carnations, violets and bulbous stock do remarkably well here but there is something about the water which is prejudicial to roses. Stock of all kinds is scarce this winter and everything brings a good price. Big orders mean that the dealer must send to Denver or San Francisco for his material.

While the east has glass enough to supply any demand which is likely to arise in ten years, Salt Lake City needs more greenhouses and is going to have them. R. E. Evans is planning to rebuild and extend his glass. C. Cramer will put up a carnation house or two. Schwarz & Heinecke will build two houses 20x120 and Mrs. E. Laker will enlarge her place.

The latest new comer from the east is J. M. Lonsdale, brother of Edwin Lonsdale, of Chestnut Hill, Philadelphia, who has a very neat store at 121 South Main street and reports a good trade.

WESTERNER.

ROSES, CLEMATIS, RHODODENDRONS, ETC.

ROSES, Strong 2 Year Field Crown.

	Per 100
Crimson Ramblers with 4 to 5 feet canes,	$15.00
Crimson Ramblers, 2d size, 2 to 3 feet canes	8 00
Yellow Rambler, two years	8.00
Hybrid Perpetual, in fine assortment	10.00
Wichuriana, Japan creeping Rose	6.00
Wichuriana Hybrids, 4 varieties	8.00
Tree Roses, fine beads	30.00

Liberty, new red forcing Rose, from 2½-in. pots, 12 plants at 60c each, 25 at 50c each, 50 at 30c each, 100 at 25c each.

General assortment of Everblooming Roses from 2½-in. pots, $3.00 per 100, $25 per 1000.

CARNATIONS, Rooted Cuttings.

Mrs. Thomas Lawson, $14 00 per 100. Ethel Crocker, $10 per 100. The Marquis, $10.00 per 100. Olympia, $12.00 per 100.

RHODODENDRONS.

Large stock of best hardy varieties 15 inches to 3 feet high, clean bright foliage and well set with buds, $45.00 to $150.(0 per 100.

CLEMATIS.

Jackmanii, Henryi, Duchess of Edinburg, Ramona, and other large flowered varieties, strong two year plants, $20.00 per 100; strong three years $25.00 per 100.

AZALEA MOLLIS.

Strong, bushy plants well set with flower buds, $35.00 per 100.

Hydrangea Paniculata Grandiflora.

2½ to 3 feet, $10.00 per 100; tree form, 4 to 5 feet high, $25.00 per 100.

Fruit and Ornamental Trees, Shrubs, etc., in large assortment.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

BAY TREES AZALEAS ACACIAS FERNS FICUS PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. **WAVERLEY, MASS.**

CYCLAMEN PERSICUM GIGANTEUM.

In the various colors and shades. Plants are in healthy condition, **$5.00 per 100; $40.00 per 1000.**

EDWIN LONSDALE, WYNDMOOR, Montgomery Co., **PA.**

Money Order Office Chestnut Hill, Phila.

CHRYSANTHEMUMS

Yellow Queen, Mrs. Robinson G. Kalb, Merry Monarch, Maj. Bonnaffon, Lager, Golden Trophy, Ivory, Lady Playfair, R. C., 100, $1.00; 1000, $9.00; clumps, 100, $4 00. **BEGONIA** Rex, fine mixed R. C., 100, $1.50. **VINCA VAR** field clumps, 100, $4 00; 2-in. pots, $1.50. **AGERATUM,** dwarf or tall, 2-in. pots, 100, $1.50 cash.

H. DANN & SON, Westfield, N. Y.

HAIL

For Insurance Against Damage by Hail Address

JOHN G. ESLER, - Sec'y F. H. A.

SADDLE RIVER, N. J.

Ewell's Pan Stock Sells

WE OFFER NOW a big variety of choicest forcing bulbs, in pans, ready to open. Cut blooms by hundred or thousand.

AZALEAS, best selling sorts in bud or bloom.

Lowest Wholesale Figures.

WM. S. EWELL & SON,

Telephone Connection. **38 Wayland St., ROXBURY, MASS.**

CABBAGE PLANTS.

Jersey Wakefield and other vars. from cold frames, transplanted, 25c per 100; $1.50 per 1000; $12.50 per 10,000. If by mail add 20c per 100.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

PEPPER, small plants for transplanting, in several varieties; 25c per 100, $2.00 per 1000. Add 10c per 100 if by mail.

EGG PLANTS, New York Improved, for transplanting. 25c per 100; $2.00 per 1000.

CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

FERNS...

Fine stock, 2¼-inch pots, **Cyrtomium falcatum,** $4.00 per 100; $35.00 per 1000. **Pteris serrulata cristata compacta,** $3.50 per 100; $30.00 per 1000. ☞ Special prices on large quantities.

GARFIELD PARK FLOWER COMPANY,
1688 W. Madison St., CHICAGO.

PRIMULAS AND VINCAS, ETC. Per 100

4-inch pot Vinca Vines	$6.00
3-inch pot Vinca Vines	4.00
2-inch pot Vinca Vines	2.50
Rooted Cuttings Vinca Vines, from flats	1.50
2-in. pot Primrose, in bud and bloom, ready to repot	2.00
2-in. pot Smilax	2.00

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

GERANIUMS. A few thousand left, in 2¼-in. pots, at $30 per 1000; $3 25 per 100: S. A Nutt, LaFavorite, Richard Brett, Marguerite de Loya, Mrs. Jas. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson and Rose Geranium. Also Rose Geranium cuttings at $2 per 100.

Mme. Salleroi Geraniums in soil, $1.50 per 100; $12 00 per M

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots $1.25 100.

AGERATUM, Blue and White, 75c per 100; 1¾ in. $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾-in. pots, $1.50 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot $1 50 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS $1.60 per 100. 2½-in pots, $2 50 per 100

FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.

VINCAS, $1 25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M Fine plants.

The above are rooted cuttings, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

Pteris Deweyana.

A most desirable new fern, now offered for the first time by the raiser, J H Ley It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts; hard, and grows very freely from spores.

12 Fine Plants, 3 inch pots	$ 3.00
100 " " " "	20.00
12 Good Plants, 2 inch pots	2.00
100 " " " "	15.00

Six latter mailed, $1. With balls of roots undisturbed.

JOHN H. LEY,

GOOD HOPE. WASHINGTON, D. C.

Please mention the American Florist when writing.

PANSIES.

	Per 100
Large-flowering strain 1000, $2.50,	$1.50
OXALIS floribunda, 2-inch pots	2 50
ALTERNANTHERA, yellow	1.75
ALTERNANTHERA, red	2 00
GERANIUMS, 16 varieties, 2½-inch pots	3.00

CASH WITH ORDER.

JOS. H. CUNNINGHAM, Delaware, Ohio.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

THE BOSTON FERN A SPECIALTY.

Only orders booked at $5.00 per 100, $40 00 per 1000.

L. H. FOSTER, 45 ' ng St., DORCHESTER, MASS

DAHLIAS!!!

The cream of the lists. Our stock includes the well-tried, desirable, older varieties, as well as the latest acquisitions. Booking orders now. Be quick. Undivided roots in variety.

$60 per Thousand.

Our semi-annual trade list now ready.

The WM. H. MOON Co.

Glenwood Nurseries,

MORRISVILLE, PENN.

ROOTED CUTTINGS

Verbenas, 40 named varieties, 60c per 100, $5 00 per 1000 Petunias, 30 named dbl. var., $1 25 per 100. Heliotrope, 15 named varieties $1.00 per 100. Coleus, 30 named varieties, 70c per 100, $6 00 per 1000 Ageratums, 3 var. with P. Pauline, 70c per 100 Alyssum, dbl., $1 00 per 100. Lantanas, 4 var., $1 25 per 100. Salvias, 3 var., $1 00 per 100 Fuchsias in variety, $1.50 per 100. All cuttings guaranteed. Express paid.

CASH WITH ORDERS. Write

S. D. BRANT, Clay Center, Kansas.

FORGET-ME-NOT, winter blooming, from flats, $1.50; 2¼-in. $2.00; 2½-in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100. Per 100
PARIS DAISY, white, R. C. $1.00; flats.....$1.50
DOUBLE ALYSSUM. R. C. $1.00; flats..... 1.50
VARIEGATED VINCAS, from flats..... 1.50

All plants in flats strong and well established, ready for 2½ or 3-inch pots. Cash with order, please.

CHARLES S. DUTTON,
85 West 12th Street, HOLLAND, MICH.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM.

Finest strain in the world in four true colors, twice transplanted. From flats, $2.50 per 100; $20.00 per 1000. From 2½-in. pots, $4.00 per 100; $35.00 per 1000. All the above warranted A. No. 1 stock.

PAUL MADER,
EAST STROUDSBURG, PA.

Verbenas

THE FINEST IN THE LAND.
Millions of them.

Pot Plants.....$2.50 per 100, $20.00 per 1000
Rooted Cuttings, 75c " 5.00 "

LATANIA BORBONICA.
Extra good value.
3-in.....$ 8.00 per 100
4-in..... 18 00 "
5-in..... 4 50 per doz.
6-in..... 8 50 "

CHRYSANTHEMUMS.
Pot plants.
$3.00 per 100, $25.00 per 1000.
For varieties see Florist Feb. 3d.

CARNATIONS.
Rooted Cuttings.
Scott, Pierson, McGowan, Helen Keller, Tidal Wave, $1.50 per 100, $10.00 per 1000.
Mayor Pingree, Flora Hill, Daybreak, $2.00 per 100.

PETUNIAS.
Dreer's set.....$4 00 per 100
Double white..... 4 00 "

CINERARIAS.
Fine strain .....$ 3.00 per 100
3-in..... 5.00 "
4-in..... 10.00 "
5-in..... 15.00 "

VINCAS.
Major and Major Var.
2-in.....$ 3 00 per 100
4-in., very fine..... 15.00 "

HELIOTROPE.
Czar, Czarina and five other fine sorts.....$3.00 per 100

OLEANDERS.
Very fine Double Pink and Double White, $6.00 per 100, $55 00 per 1000.

CERANIUMS.
Mt. of Snow, Happy Thought, $4.00 per 100.
Mrs. Parker.....$6 00 per 100
Mrs. Pollock..... 5 00 "
Mad. Salleroi, Rose and Ivy Ger., Souv. de Chas. Turner, $3.00 per 100.
S. A. Nutt, Master Christine, Queen of the West, Queen of Belgians, etc., all colors, $3.00 per 100.
J. Riccard, Beaute Poitevine, Athlete, Pres. Leon Picas, E. G. Hill, J. J. Harrison, etc., $4.00 per 100.

ROSES.
Per 100
Brides and Bridesmaids....$3.00
" " 3-in. strong, 5.00
Hermosa..... 4 00
Monthly, in var..... 3.00
H. P's, such as Dinsmore, Jacq., Paul Neyron..... 5.00
H. P's, our selection..... 4.00
Wichuraiana, white..... 4.00

Coleus

Rooted Cuttings, $1.00 per 100 $7.50 per 1000 Pot Plants $3 00 per 100. $25 per 1000

MISCELLANEOUS.

	Per 100
Alyssum, 3 var	$3.00
Ageratum, Cope's Pet	2 00
Ampelopsis Veitchii, strong	4.00
Abutilon B. de Niege and Sou. de Bonn	4 00
Alternanthera, 2 vars	2.50
Cuphea	$2 00 per 1000, 3 00
Cyclamen, 4-in.	$2.00 pr doz.
" 5-in.	4.00 "
Dracæna Indivisa, 5 in.	2.00 "
Fuchsias	3 00
Feverfew, Little Gem	2.50
Hydrangea Hortensia	4.00
Ivies, English	4.00
Libonia Pen	3.00
Manettia Vine	4.00
Lantanas	3 00
Lemon Verbenas	4 00
Marguerite, white	3.00
" yellow	4.00
Nierembergia	3.00
Othonna	3 00
Otaheite Oranges, 4-in.	15.00
Salvia, scarlet	3.00
Swainsonia, white	4.00
Santolina Incana	3.00
Pelargoniums, mixed	4.00
Velvet Plant, 3-in.	8 00

OUR PRICE LIST WILL BE ISSUED EARLY IN MARCH.

W. L. SMITH, Wholesale .....Florist, **AURORA, ILL.**

PANSIES!

Giant mixed or in colors, Bugnot, Cassier, Odier and Trimardeau, extra fine, stocky plants, 50c per 100, $2.50 per 1000, $10 00 per 50 0. Extra large plants in bud and bloom, $1.00 per 100, $8 00 per 1000 **AZALEAS!** nice plants to grow on, 4-in. pots, in var., $18 per 100, $2 25 per doz.; 3-in., $8 00 per 100. Cash with order

HENRY ERNST & SON, Washington, Mo.

Asparagus Sprengerii.

Extra fine Stock from 3-in. pots, ready for a shift. $8.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

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TRADE DIRECTORY

FOR 1900

IS NOW READY FOR DELIVERY.

The lists of FLORISTS, NURSERYMEN and SEEDSMEN of the United States and Canada, arranged both by States and Towns and alphabetically, are corrected up to date, and in addition there are the following valuable and absolutely

NEW FEATURES:

GARDENERS OR SUPERINTENDENTS OF PRIVATE ESTATES,
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This indispensable volume of 387 pages, strongly bound in boards, is delivered post paid upon receipt of $2.00.

AMERICAN FLORIST CO.,
324 Dearborn St. *CHICAGO, ILL., U. S. A.*

Cleveland.

Business continues good in all lines, flowers of all sorts being rather scarce. There has been little change in prices and probably there will be none for some time unless business should change for the worse, which no one seems to anticipate. Almost every one who grows Harrisii lilies joins in complaints concerning the behavior of the Bermuda stock. In spite of big talk about selected stock and exterminating disease, the bulbs seem to be worse this year than ever before. There is not only much disease, but there is a large per centage of the stock that seems to be without vitality. Only a comparative few show anything like the vigor that the Harrisii ought to have. With the price of Bermuda bulbs where it is and the load of diseased and worthless stock to carry, into the bargain, there is no money in forcing Harrisii nowadays. There has been some complaint also regarding azaleas, which seem to be rather lightly budded with many growers this year. Good plants, however, have sold pretty fairly.

A.

DAHLIAS

Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well-tested ones good enough? I have both. My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Pæonies. Write for catalogue and price list.

W. W. WILMORE, Dahlia Specialist,
Box 382. Denver, Colo.

Please mention the American Florist when writing.

3,000,000 Fancy & Dagger Ferns,
WRITE FOR PRICES.

MILLINGTON, MASS.
Telegraph Office, NEW SALEM, MASS.

LAUREL FESTOONING A SPECIALTY.

PALM LEAVES.

	1000	10,000
FOR DECORATING.		
15-24-in. stems	$ 4.50	$36.00
24-35-in. stems	6.30	54.00
FOR PREPARING.		
15-24-in. stems	$ 3.75	$30.00
24-35-in. stems	5.25	45.00
Small sizes from	1.50	11.25 up.
Long-leaf Pines from	10.00 up.	

Above prices are for CASH WITH ORDER only.
Low freight. Twelve years' experience.

V. SCHMELZ, - Sylvan Lake, Fla.

HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool.
Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, **DAYTON, OHIO.**

FLORISTS' ORCHIDS

.......The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Please mention the American Florist when writing

Dormant Roses

For Potting Up Now, For Easter Flowering.

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes } 100, 20.00
2 year old Budded stock, 3 ft. canes .... Doz., $2.00 100, $15.00

American Beauty 2 year budded........100, $15.00
Kaiserin A. Victoria, 2 year budded.... " 15.00
Mad. Caroline Testout, 2 year budded... " 15.00

Hermosa, extra strong Holland grown 2 year Own roots........100, $13.00
Hermosa, Own roots French grown..... " 8.00
Clothilde Soupert, 2 year field grown ... " 10.00

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jacq. Coquette des Alpes. Ulrich Brunner John Hopper. Mad. G. Luizet. Prince C. de Rohan. Baron Bonstetten. Anne de Diesbach. Paul Neyron. Magna Charta.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild. Gloire Lyonnaise. Marie Baumann. Paul Neyron. Boule de Neige. Baron Bonstetten. Ulrich Brunner. Mad. G. Luizet. Mrs. John Laing. Prince C. de Rohan. Capt. Christy. Anne de Diesbach Magna Charta Malmaison. Fisher Holmes. John Hopper. Mad. Chas. Wood. Perle des Blanches. Gen. Jacq. La France. Coquette des Alpes. Giant of Battles. Gen. Washington. Mabel Morrison. Marshall P. Wilder.

RHODODENDRONS. For Easter forcing. Extra large plants 12 to 20 buds, John Walters, Kate Walters, Mad. Cravalho and Prince C. de Rohan. Each, $1.25. doz., $12.00.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

300,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

...SPECIAL...
ROOTED CUTTINGS.

Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

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Alyssum, strong 2-inch, 2 cents.

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Fuchsias, best sorts, $1.50 per 100. Vinca Major, $1.00 per 100,

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Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1 00 per 100.

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100,000 ROOTED CUTTINGS AND PLANTS Ready to Ship.

I guarantee everything I ship you to arrive safe. If not, return at my expense.

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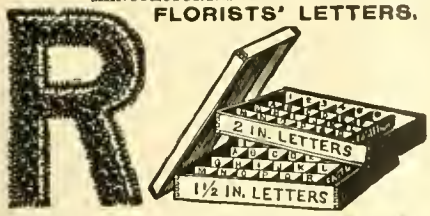

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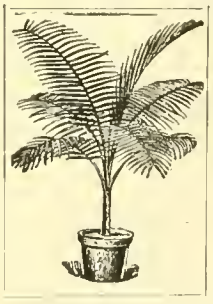

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—AND—
CYCAS ..LEAVES.
Send for Catalogue.

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MATERIAL FOR PREPARED PALMS.

Selected Palmetto Leaves, good shape, with long stems, three sizes, small, medium and large dried and cured only, $5, $6 and $7 per 1000. Cured and pressed, only need painting, $12, $17 and $19 per 1000 Dyed and pressed, $14, $19 and $21 per 1000 Prepared and painted Palmetto Leaves, loose for decorating, or to make up into plants, $4, $6 and $8 per 100 Cycas Leaves, prepared, $12, $18 and $24 per 100. Cycas Leaves, raw, dried and pressed, $14, $21 and $30 per 1000. Areca Leaves, cured and pressed, $12, $15 and $20 per 1000. Areca Leaves, prepared and painted, $5, $7 and $9 per 100. Cycas Wreaths, plain, each (2 leaves) 35c, 55c and 75c. Cycas Wreaths, with flowers, from 50c up. Palm Fibre, for making up plants, 10c per lb. Green Palmetto Leaves, large, $5 per 1000 Green Cabbage Palm Leaves, 3-5 ft., $3 per 100 Long Leaf Needle Pines, 3-4 ft., $4 per 100. Artificial Smilax, per doz yds., from 50c up. Sahals, Thrinax (Argentea and Excelsa), Chamærops Argentea, and Zamia Crowns, and green or dried leaves of all kinds Natural Palm Stumps and Tree Trunks for use with green or prepared Palm Leaves.

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Universal Insecticide

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Adjustable Vase Holders.

No. 1.—Brass, nickeled, 4 feet long, six clasps to each rod.
Price complete (with green or white tumblers).....$2.25.
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RUBBER-CAPPED **FLOWER TUBES.**
(As per illustration), 4-inches long, ½-inch diameter, per 100, $3.50.

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Nashville.

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Continued cold weather has had its effect and flowers are not abundant; especially does this apply to the rose. American Beauty, which has been decidedly off, is just beginning to come in again. One grower is showing an especially fine cut of Brides and has had great success with Golden Gate. It has fine size and has met with much favor. Carnations have been holding their own. The very reasonable price at which they are sold insures a demand. The stock grown here is of the best and all the latest sorts are shown. Violets are abundant and in great demand.

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Lent does not make a great deal of difference in the trade as the season is not largely observed in this city.

T. C. Joy has just returned from a northern and eastern trip. He took in the carnation convention at Buffalo.

M. C. DORRIS.

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Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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MEYER
GREEN SILKALINE
Just the shade of the foliage.
Samples and prices free.
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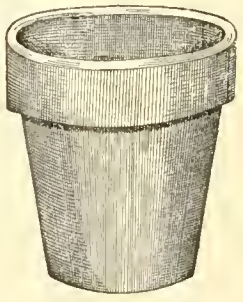
FOR THE MILLION.



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These combine high art with business in a pleasing style that good customers appreciate.

A Variety is Offered. Prices Moderate. Samples Sent for 10c.

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(PATENT)
Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
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ASK YOUR SEEDSMAN FOR IT.
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100 lb. bag.....$1.75 ½ ton $14.50
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For Greenhouse Cultivating.
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2 in.,	"	2 75	4 in.,	"	6 20
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Packages extra.

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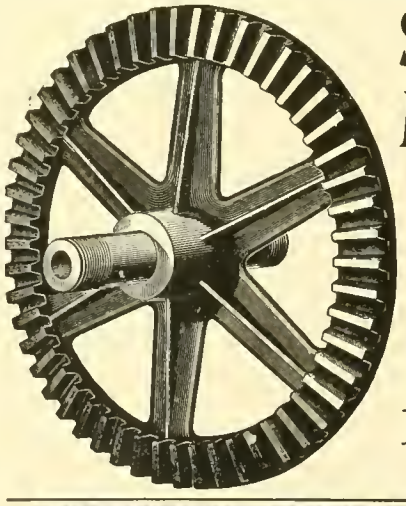

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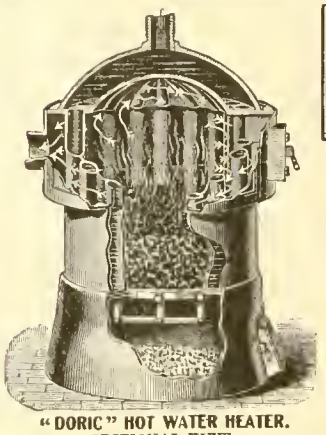
COLUMBUS, O.—Hester Getz has asked the courts for an injunction restraining her landlord from ejecting her. She claims to have another year's lease of her store but the landlord has made a new lease to a party who is willing to pay a higher rental.



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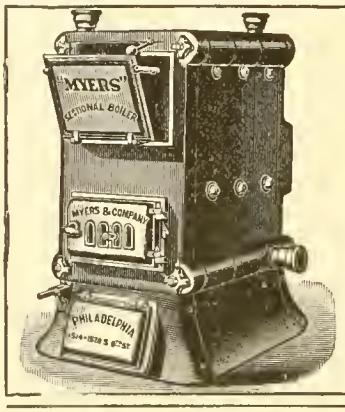

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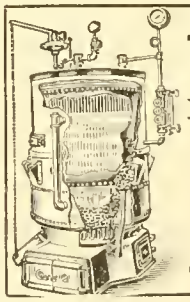

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Vol. XV. **CHICAGO AND NEW YORK, MARCH 10, 1900.** **No. 614.**

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THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Desirable Ferns for the Home.

[Read by W. H. Taplin, Holmesburg, Pa., before the Farmers' Institute, Philadelphia, February 24, 1900.]

There is a certain expression that has frequently been used in the agricultural press of late years and also in addresses that have been made by institute speakers and others, a term that expresses much in few words. I refer to the term "intensive farming." Now, while I cannot lay claim to being an intensive farmer, yet I am a believer in that doctrine, and am inclined to think that window gardening, or the household culture of plants, might be referred to as intensive gardening, not only from the fact that a number of operations and a variety of subjects are handled in a very limited space, but also that the plants themselves are compelled to exert all their vitality and recuperative powers in order to produce a satisfactory growth under such adverse conditions. But the true plant lover usually finds a way of coaxing his or her favorites into growth, and, after all, there is a great deal more satisfaction felt by the cultivator when his efforts are finally crowned with success in the case of some refractory subject than is found in caring for a houseleek or a pot of German ivy.

And even in the culture of ferns as house plants we learn of some singular methods at times, among these being that peculiar treatment that has recently been reported, in which a maidenhair fern in the window garden of a certain lady was said to be dosed with castor oil at intervals, or whenever its general health was impaired. This seems to us to be a rather drastic treatment for so tender a subject, and we do not recommend it, and we feel safer in advising the use of such a method only as a last resort, and having much more confidence in pure water as a promoter of growth than any oily substance whatever. There are, however, a few cultural points that may be briefly noted in the consideration of our subject, most of which are doubtless familiar to those present, but are also often forgotten by the would-be cultivator of ferns in the dwelling.

In the first place an erroneous idea often prevails that ferns are essentially hot-house plants, and therefore should be kept in a very warm room, forgetting the fact that a vast multitude of ferns grow naturally in sheltered valleys up among the mountains, and that some of the handsomest tree ferns of Tasmania sometimes have their lovely fronds weighted down with a covering of snow. And, as a matter of fact, the various species of ferns that we florists suggest for house culture are usually those that thrive in a night temperature of 55° to 60°, or in what would seem to many to be a rather chilly temperature for a living room. Therefore a position near a window where the ferns will have plenty of light, though not necessarily full sunshine and where they may enjoy a certain amount of fresh air is much more rational treatment than to place them in line with an open register or in any position where they may be exposed to strong draughts.

I have already referred to pure water as a promoter of growth among the ferns and its proper use is one of the tests of the cultivator, whether he be an amateur or a professional, for in common with all the blessings we enjoy this one may be abused. A well rooted fern carrying a number of strong fronds, such for example as the Boston fern, may require a good watering every day if kept in a warm room, but do not allow any surplus water to remain in the saucer or jardiniere in which it may stand, while a less vigorous specimen may only require water twice in a week, but it may be taken as a safe rule that no fern in the window garden should ever be allowed to become very dry, for the fronds will soon show the effect of such neglect.

And this reminds us of the value of the jardiniere in the window garden, a plant in one of these convenient receptacles being protected to some extent from the very rapid evaporation that takes place through the porous earthenware pot when the latter is fully exposed to the air, and in the case of ferns in particular, this excessive evaporation is liable to injure the roots. These particulars of treatment in reference to watering are doubtless quite familiar to many of those present, and may seem like needless reiteration, but the fact remains that there is no other operation in plant-growing that requires the exercise of more judgment and care than that of watering, a fact that is generally recognized among florists. It may also be remarked that there is usually no necessity for the repotting of ferns that are doing duty in the window garden during the winter, and it is wiser to defer this matter until spring or early summer, when the plants should be rooting more freely and in a more active condition generally.

Now a word or two as to some of the kinds of ferns that are adapted for our purpose, and first on the list comes the well-known Boston fern, decidedly the

most popular and most useful of the sword fern family, its graceful fronds forming a mass of greenery that is not only charming in color and outline but also very enduring under the trying conditions found in the average dwelling. As is well known, there is more or less dust continually floating about in the atmosphere of our houses, and this dust is detrimental to plants, closing up the pores of the leaves; we therefore find it a good practice to give our Boston fern a bath occasionally by rinsing the foliage in a tub of water.

But the true Boston fern is not the only valuable member of its family, and for those whose space is more limited we recommend another sword fern, which may be called the compact sword fern, or dwarf Boston fern if you will. This fern has shorter and more upright fronds of a darker green than its prominent relative, and forms a very attractive specimen in quite a small pot.

Still another sword fern that is well adapted for the decoration of the dwelling is the handsome crested variety, a strong growing and admirable plant for this purpose, but a plant with a most unwieldy name for the amateur fern grower, that is, Nephrolepis davallioides plumosa.

All of these sword ferns are propagated by division, their habit being to throw out runners or stolons, as the botanist terms them, that are very much like the runners of the strawberry. But I fear some may be wearied by too much sword fern, and as the brief time alloted to this subject will only allow of a mere glance at the species to which your attention is invited we must hurry on to note one or two species from a much larger group, namely, the pteris. One of the hardiest of this family is a fern of moderate growth that is much used for table ferneries. For a simple name we may call this the maidenhair pteris or P. adiantoides, its dark green fronds having a very pleasing effect, and when the plant is well supplied with water these leaves endure the dry atmosphere of the house very well indeed. The silvery pteris, P. argyræa, is one of the comparatively few variegated ferns that are suitable for household culture, and is quite a strong growing variety, the leaves of which are ornamented by a broad band of silvery gray down the center. The leaves of this fern are rather brittle and are liable to suffer from the dust but, as recommended for the Boston fern, a bath in clear water occasionally will be of much benefit.

Another variegated fern for the window garden is found in P. cretica albo-lineata, this being one of the easiest ferns to grow, and where suitable conditions may be had is readily raised from spores. The different forms of the ribbon fern, P. serrulata, are also readily grown in the house, and are very pretty indeed, there being many variations of this fern in cultivation, several of which have beautifully crested leaves. Cyrtomium falcatum, sometimes called the holly fern, is a very satisfactory house plant, and especially so when grown in a room that is not kept very warm, a night temperature of 55° being quite high enough for its welfare. The leaves of this fern are very bright and glossy and it is in such strong contrast to the plants already noted in habit and general appearance as to be a most welcome addition to the window garden.

I have not especially referred to the true maidenhair ferns, or adiantums, for household decoration, favorites though these are with every plant lover, from the fact that they are not generally satisfactory for this purpose, the leaves of the maidenhairs being of such delicate texture as to be unable to stand the heat and dry air of the house. The shield ferns, botanically known as aspidiums, include several species and varieties suited to house culture, and one of these species, A. angulare, I have known as a house plant for fully ten years, or rather I have noted the same specimen of this fern flourishing in a window garden for that period of time, this appearing to be ample proof of its enduring character.

One comparative novelty is found in the Japanese fern balls that are now imported in considerable numbers by the large dealers, these being formed of a small mass of vegetable fiber or even of a section of tree fern stem, around which are coiled the creeping stems of some of the hare's-foot ferns or davallias. These are imported in a dormant condition, then started into growth in a warm greenhouse and in a short time are more or less covered with bright green, feathery leaves. If carefully attended to these fern balls become quite attractive ornaments for the window, but it must be remembered that they will dry out rapidly under such conditions and will therefore need frequent waterings.

But the subject of ferns is such a large one and the study of them so fascinating that one is liable to forget the passage of time, and with this in view I must now thank you for your kind attention and bring these rambling notes to a close.

BENJAMIN DORRANCE.
President of the American Rose Society.

Benjamin Dorrance.

The president of the American Rose Society, Benjamin Dorrance, of Dorranceton, Pa., is well known to the trade as a highly successful grower of roses. Mr. Dorrance was born on a farm, August 14, 1846. He is a graduate of Princeton, at which institution the degrees A.B. and A.M. were conferred upon him. Like many others now prominent in the trade, his first venture in the way of a greenhouse was built for amusement, in 1882. At this time his glass area was about 1,000 feet Gradually, however, he drifted toward the commercial side of floriculture, erecting his first rose house in 1884. That he has made rapid strides in the business may be judged from the fact that he now has 184,000 feet of glass devoted to it. But it has not been all sunshine with him. Many difficulties have had to be overcome. His work has been confined chiefly to rose growing, with an occasional attempt to do carnations in the best style. Mr. Dorrance asserts that the longer he is at the business the less he seems to know about it. He has almost made up his mind that the main secret of success is constant watchfulness, while he believes that a good memory for failures is a great help.

CARNATIONS.

CARNATION THE MARQUIS.

This carnation is generally regarded as one of the very best of the new varieties now on the market. It attracted a large share of attention at the Buffalo meeting of the American Carnation Society last month and was there awarded the leading prize for light pink sorts. The Marquis originated with L. E. Marquisee, of Syracuse, N. Y., four years ago, being a cross of Daybreak and Albertini. From the first the plant showed remarkable strength and vigor, although perhaps its most meritorious characteristic is the soft, pure pink color of the flowers. It has been awarded eight certificates, besides a silver cup and medal. Mr. Marquisee reports that 150,000 rooted cuttings have already been sold—ample proof of its good qualities.

SEEDLING CARNATIONS.

ED. AM. FLORIST:—After crossing carnations this season, please state when the seeds should be sown. How should the seedlings be taken care of until they bloom? Should they be flowered in the field or in the greenhouse?

SUBSCRIBER.

The seeds should be sown just as soon as they are ripe and placed in a temperature of 75° or 80° night and day until they come up, which will only take a few days. Then they must be removed to a cooler and as light a place as possible. As soon as the little plants are large enough to handle, transplant them into flats or small pots, the same as you would rooted cuttings, and only pinch the top back once. Plant in the field as early as possible and keep them well worked, as the idea is to bloom them as early as you can, thereby enabling you to discard any that may prove worthless before housing. JAMES HARTSHORNE.

CARNATIONS AS ANNUALS.

The remarkable progress being made in the business of hybridizing and raising seedling carnations, whereby strains of seed of fixed excellence are being gradually evolved, and the recognized superiority of many varieties during their first year, suggest the possibility that the time may be not far off when carnation growers may find it advisable to depend mainly upon seedling plants for their cut flower product.

Under the present system of propagating, and after several years' test, disseminating special varieties, many a regal beauty has gone into oblivion and its expectant grower been doomed to keen disappointment because of fatal defects

of which no trace had developed until the variety was in its second, third or even fourth year. Just as soon as specialists can secure for themselves or place on the market for sale a sufficient quantity of seed of a strain that can be depended upon to give a large proportion of high grade flowers we shall begin to realize the possibilities in the line of seedling growing for regular cut flower supply and many of the problems that disturb the carnation grower of to-day will then disturb no more.

Carnations of varied colors associate well together, better in fact than most flowers covering an equally wide range of color, and enough has already been learned by those who have tried it in a small way to indicate that the public will take kindly to carnations placed before them in assorted tints. There ought to be as good money in high-grade seed as there is in rooted cuttings.

THE CARE OF YOUNG PLANTS.

The treatment of young plants comes next in importance to the selection of cuttings and here, too, there is a difference of opinion, some growers planting them into flats while others pot them up. Each method has its disadvantages but I prefer to pot my stock. Pot culture facilitates planting out, as the roots are not disturbed in any way and the planting can be done in almost any sort of weather. Then the roots, having conformed somewhat to the ball in the pot, are apt to make a compact mass of fibrous, active feeders for the plant during its outdoor life and most of them come with the plant when it is dug for planting into the house. The loss of the room taken up by the pots is to some extent overcome by the fact that young plants in pots have an abundance of air aud light and there is little danger of the soil becoming sour, as is sometimes the case when planted into flats.

Here, as in every other case, my advice to those growers who are having success with the methods they employ is "to let well enough alone." Because I pot up my stock is no reason why anyone who is growing his plants in flats and having fair success should change to pots. Experiments are always in order and, if properly conducted and accurate comparisons made, are often worth a hundred times their cost, but they more often result in loss. Still it is by experiment that we progress.

Many growers pot their young plants in very rich soil. If such growers will try potting a portion of their young plants into soil not any richer than the soil in the field, and carefully note the difference when the plants are lifted in the fall, they may learn a few things to their advantage. The theory of this is that a plant grown in poor soil will more readily adapt itself to the soil in the field and move right along without check.

Cuttings when first planted should be shaded for a few days, and if they are from another grower and have been on their journey several days shading will be necessary for a week. I have received well rooted, fine looking cuttings that would not stand full exposure to the sun without wilting until ten days after they were potted up. They were evidently grown in a north side propagating house and left in the cutting bench longer than should be. In these days of a general interchange of cuttings they should always be carefully watched and never allowed to wilt, as this is a decided check to their growth just when it will be most felt.

THE MARQUIS CARNATION.

Carnations are water-loving plants and the young plants should be given plenty of water, at the same time being careful not to sour the soil. As planting out time draws near you can gradually inure them to a drier soil so that they can stand a short drought outdoors without too serious a check. This must be done very carefully or it had better be let alone. Light and air are quite as essential to the young as to older stock and do not for any reason allow them to be put on a side bench, where they get half a day's sunshine or often less. It takes two of my houses to hold my young stock for next season and I always select the two houses giving the least returns and, as fast as room is needed, out go the old plants and the young ones have all the advantages of light and ventilation that the blooming stock enjoyed. This is, of course, a decided loss on cut blooms but I find it a good investment. When first potted the night temperature should be about 50° and a little higher during the day, but as the plants become established they will stand an abundance of ventilation and by the time they are ready to plant out they should be accustomed to a night temperature about as low as they will meet with in the field.

ALBERT M. HERR.

CHRYSANTHEMUMS.

VARIETIES FOR SPECIMEN PLANTS.

Looking over exhibition reports, one cannot help noticing how limited is the number of chrysanthemums suitable for specimen plants, and how frequently the same varieties are shown. Again, we are surprised to find how well some varieties we have failed with do with others, and occasionally old-timers turn up which we had almost forgotten; Puritan is one of these. Selection has been all for specimen blooms. The grower of plants must experiment with these, but seldom finds any suitable for his purpose. There is a limitation of color among varieties suitable for plants. Choosing colors from the exhibition table generally means failure. We are quite well satisfied if we can get a fair representation of pink, yellow, white and red. Pale yellow and light pink varieties produce a monotonous effect, when prevailing in a number of exhibits. The grower who succeeds in showing an extra proportion of brighter and unusual colors, is always sure of the decision for effect.

A variety hard to grow and of unusual color, a bronze-pink, I might say, is Lady Hanham, a sport from Viviand-Morel. A neighbor of mine had an excellent

plant of this at the Boston show which helped his exhibit exceedingly. How effective is Iora, a glistening shell pink with gracefully whorled florets, when seen under good light, and especially when sunlight plays among the florets, but dead and ineffective as seen at exhibitions. Arethusa, a local variety raised by myself and never recorded because of no value for cut flowers, was one of the most striking among deep pink varieties last fall. Deep yellows, almost bronzy, like President Nonin, have a far better effect on exhibition than light yellows like Georgienne Bramhall. Col. Smith was remarkable in this respect, though of late years it has done indifferently. Harry May was another effective variety in its day.

Dark shades of maroon tones may be too dark, and Shilowa and Black Hawk both proved this last autumn. Whites cannot be too pure, and this is why Jos. H. White, Ivory and Mutual Friend have always stood well. Uncertain whites like Gladys Vanderbilt and Onyx, beautiful though they be individually, spoil rather than help. Mrs. F. A. Constable showed up grandly at Boston last autumn, attracting much attention in Mrs. B. P. Cheney's group. Red Warrior is another indispensable variety. It is one of those odd colors so badly needed. Grown as a specimen bloom it is a fair chestnut red, and opens as such on a specimen plant. Soon, however, its color changes to deep yellow at the center, showing the two contrasting colors as "Pitcher & Manda" did in white and yellow. Garza, a white anemone, makes a grand specimen but it should stand alone. It is out of place in a group of Japanese sorts.

Among novelties and recent introductions I have little to offer for trial, and I would advise what I find difficult to do myself, and that is, to stick to what we know is good. I think Mdlle. Lucie Faure ought to make a good specimen white. Autumn Glory made a good plant last year and Kate Broomhead is promising. T. D. HATFIELD.

CHRYSANTHEMUM EULALIE.

Our illustration shows a new anemone-flowered chrysanthemum named Eulalie, which has attracted much attention. Good new sorts of this type are quite rare nowadays, although as a class they are very beautiful and highly esteemed by many growers, and it is therefore pleasing to know that they are not yet wholly neglected by our hybridizers. Eulalie is described as a bold, handsome flower with clear white ray florets, the disk or crown florets being tinged with a pleasing shade of yellow until fully developed, when they become pure white. This variety has excellent stem and foliage and is a good shipper. Awarded certificates by the New York and Philadelphia committees of the American Chrysanthemum Society.

STOCKS AND SIONS FOR GRAFTING.

ED. AM. FLORIST:—Kindly inform me of the names of the best chrysanthemums to use as stocks for grafting, also the best to employ for sions. E. E.

Answering the inquiry of "E. E.", I would state that I have found Henry Hurrell and The Bard the best varieties to use as stocks. I have used a great many sorts for sions, but in selecting these care should be taken to favor the varieties that bloom at the same time, that is, the sorts selected for any one particular stock. The following are good as sions and bloom about the same time—November 1 to 15: Beauty of Truro, Enfant des Deux Mondes, Geo. W. Childs, Henry Hurrell, Ivory, John K. Shaw, Leocadie Gentils, Louis Boehmer, Mrs. Trainor L. Park, Mrs. Wm. H. Rand, Mrs. O. P. Bassett, Mrs. H. Robinson, Mrs. C. B. Freeman, Miss Agnes L. Dalskov, May Forster, Oakland, Pennsylvania, Robert G. Carey, The Bard and Viviand-Morel. J. S. W.

ANENT MR. HILL'S COMPLAINTS.

E. G. Hill, president of the Chrysanthemum Society of America, in a recent issue complains of the lack of interest taken in the society. It seems to me that these conditions attest the good sense and sound judgment of the florists at large. No one can say that the chrysanthemum

CHRYSANTHEMUM EULALIE

is being neglected. The novelty has worn off but there is genuine appreciation of well grown flowers and growers are still trying to improve. The society has done work that should be done by the commercial interests and it shows good judgment of outside influences in having that interest do the work. If the commercial men do not prevent inferior varieties being sold for good ones, their own interests will suffer. The S. A. F. can do it for the protection of its constituents but we do not care to join a separate society for the purpose of carrying a few specialists on our shoulders. A large flower show is a good idea, but admitting that all flowers are necessary to make it a success, why should chrysanthemum growers make use of the flower to build up an organization when the organization is not needed to build up the flower? A one flower society is not democratic for successful floriculture. Mr. Hill's statement of facts shows that conclusively.

C. B. WHITNALL.

CINCINNATI, OHIO.—W. A. McFadden, of Rosebank, is now offering for sale a large surplus stock of orchids, also Acalypha Sanderii and Dracæna terminalis. The orchids include cattleyas, dendrobiums, oncidiums and cypripediums.

As They Build in Tennessee.

The accompanying illustration shows the range of greenhouses of Joy & Son, of Nashville, Tenn., one of the most progressive firms of that section. The houses in the foreground are the new structures added last season, when the glass area was increased 16,000 square feet, from 44,000 to 60,000 feet. One of the new structures is used for asparagus and smilax. It is 45x100 and is twenty feet high at the ridge. Another is a carnation house 50x100. Both are giving excellent satisfaction but Mr. Joy states that he would not recommend such a wide house for carnations except where there is a good natural slope, the slope in his case being eight feet. Joy & Son heat one section of their establishment with hot water and two sections with steam, and find that the two methods give equal satisfaction.

ROSES.

PAINTING ROSE HOUSES.

ED. AM. FLORIST:—Will it injure roses to paint the inside of the house at this time if we use only a little benzine?

SUBSCRIBER.

Painting the inside of the house now would not materially hurt the plants if a circulation of air could be kept up day and night, which with the prospect of snow-storms, hard winds, etc., at night is rather a difficult matter to ensure at this season of the year. Unless a circulation can be maintained throughout the time the house is being painted and for four or five days after, or until the strong smell of paint has disappeared, one will run a great risk of having the plants badly damaged. If there is no special reason for painting at this particular time it would be much safer and the paint would stand much better if deferred till spring or early summer.

JOHN N. MAY.

PROPAGATION AND OTHER ROSE QUERIES.

ED. AM. FLORIST:—Your discussion of the following subjects would be highly appreciated by one who looks upon your journal as a guide:

1. My American Beauties are bearing only a few small, ill-formed flowers and the plants have too few canes. They have been exceedingly healthy until now, when the lower leaves are turning yellow; the tops are still all right. They were planted in June in a rather heavy compost one-fifth cow manure. Since then they have had three light mulchings of manure, with applications of liquid manure at irregular intervals and a dressing of bone meal in November. The house has been run at a temperature of 58° to 60° at night and 65° to 70° during the day. The plants have been kept rather wet except at times when we have let them get well to the dry side and they have been very free from black spot until now. We syringe once a week. Can you tell me the cause of their not having more and better flowers?

2. For the past two years we have been badly troubled by eel worms. How can I proceed to be free from this pest next year? The soil we expect to use was composted in November and heaped up. It consists of two parts of soil, one part of clay, one part of cow manure and one-sixtieth bone meal. Would air slaked lime help if added when the house is filled? If so, how much should I use?

3. Is it advisable to run Kaiserins two years? My stock was planted a year

ago and the plants are now in fine condition. Would you advise me to keep them or replace them with young stock? I am thinking of running them until July and then using the house for Meteors for winter blooming. In following this plan should the Kaiserins be rested and re-started in time to get full benefit of the June market? If so, how long previous to June should they be re-started?

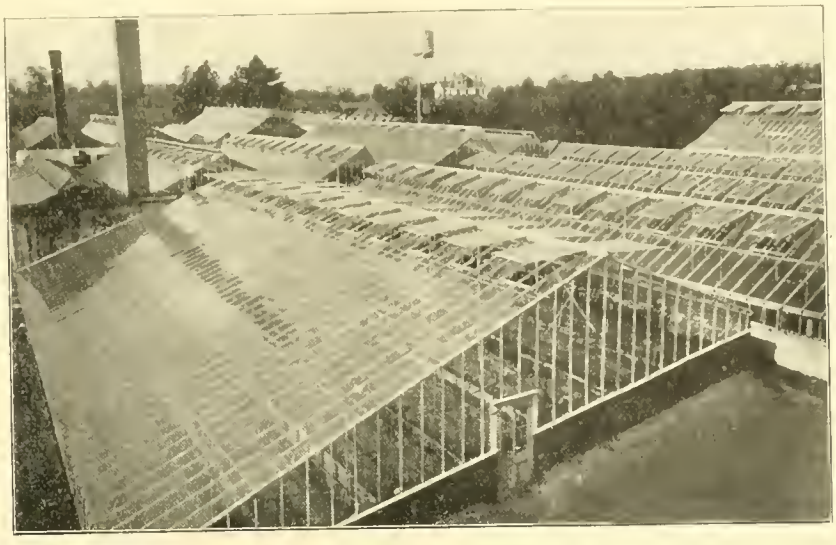
4. I am having poor success with my young plants and should welcome some advice upon the propagation of rose cuttings and their after management. H.

1. I should think from the description of the treatment that the Beauties are suffering from two causes, over feeding and eel worm at the roots. With the original compost made so rich it would have been ample to carry the plants till January 1 with only one light mulching. Liquid manure given early in the season, before the roots have thoroughly filled all the soil, is an evil; added to this the extra heavy mulching of manure and a dressing of bone meal, and the plants certainly have had a very liberal diet. With all this fertilizer and kept on the wet side in a heavy soil, there is little wonder they rebel. As there are eel worms at the other roses, there are undoubtedly plenty of them in the Beauties also, playing their part in producing the present condition.

2. The best method of destroying eel worms in compost is to sterilize it with steam. This is a rather expensive operation for the first time, as special arrangements must be made for it, and the whole of the compost must be raised to a temperature of at least 212°. The next best thing is to mix a liberal proportion of air slaked lime all through the soil and after the roses are planted the whole of the soil in the benches or beds in the greenhouse should be well soaked with clear lime water every two weeks for the first four or five months after planting. To make a suitable lime solution take about a peck of fresh lime to fifty gallons of water; slake it as if for making mortar, add the proportion of water as soon as the lime is dissolved, thoroughly stirring it, then allow it to stand for twenty-four hours to become clear. If carefully applied as directed this will destroy large numbers of the pest and help the plants generally.

3. It is advisable to run Kaiserin Augusta Victoria two years if one finds them profitable to grow, more especially as this variety is much better during the summer months than in winter. Plants started a year ago need not be rested this season to run through the summer, but should be liberally fed, as in spring and summer they need this to keep up a steady, vigorous growth. Then they could be rested late next fall or early in winter and started up again for spring and summer blooming. After they have been gradually dried off for three weeks, say in December, fire heat could be discontinued altogether for the balance of the time it may be desired to rest them, which would be a considerable saving in expense, but this, of course, only applies if the blooms are desired for spring, summer and fall use. After a full rest they will require six to eight weeks to produce a good crop in spring.

4. To secure good plants it is absolutely necessary to have healthy cuttings to start with. Having these at command, select a front bench in a rose house, if you have no regular propagating house, clean out all the old soil, thoroughly wash the boards, and then



GREENHOUSES OF JOY & SON, NASHVILLE, TENN.

place some bricks or old bats evenly over the bottom of the bench, filling any odd corners with a little clean, dry moss. On this place about three inches of clean, sand, screening it thoroughly to take out all the coarse particles Press the sand quite firmly; a block of wood or a whole brick is a good implement to beat it with. After this is done give the bed a good wetting with clear water at about the same degree as the normal temperature of the house. This done your bench is ready for the cuttings.

Cuttings should be made of two or three eyes. Make a clean cut diagonally, just below the bottom eye; cut the bottom leaf off clean, close to the eye; leave two good leaves on next eye and the same on the top. Where three-eyed cuttings are used cut the top off just above the last eye. Take a flat lath about two inches wide and long enough to reach across the bench; place this straight across and with an old table knife, putty blade, or any similar thing, cut a line close to the lath and one and one-half to two inches deep. Insert your cuttings one to one and one-half inches deep in the sand and in the line made by the knife. When the row is full press the loose sand, which the knife blade will have raised, quite firmly with the fingers. Water through a fine rose pot sufficiently to settle the sand evenly around each cutting, then lay your lath as near to this row as you can without disturbing the cuttings just put in; cut another line across as before and insert your next row in the same way.

If the sun is bright the cuttings should be shaded with sheets of newspaper or similar material placed an inch or two above the foliage. This not only keeps the sun off but also the strong current of air circulating through the house, which is very necessary to ensure success. Should the weather be very cold and a strong fire heat maintained in the house, the cuttings should be syringed very lightly overhead for the first twelve or fifteen days. Of course the sand should never be allowed to become dry during the time the cuttings are rooting. The shading should be removed as soon as the sun is off the bench and the ventilators are closed.

Under ordinary circumstances these cuttings should be nicely rooted in about four weeks and as soon as they have made roots one-half to three-fourths of an inch long they should be lifted out of the sand, being careful not to break any of the roots, and potted at once into clean 2-inch pots, using a nice fresh soil with but very little manure in it. Press this soil fairly firm and place them back in a similar position in the greenhouse. Shade from hot sun, just as the cuttings were shaded, till they show indications of starting to grow. As soon as potted, water with tepid water through a fine rose, but be very careful not to overwater them at this time. As soon as they start new growth, which will usually be in ten or twelve days, the shading should be discontinued and in four or six weeks they will, if carefully handled, be ready for a shift into 3-inch pots. Press the soil quite firm but do not bury the stem any deeper than in the first potting. Use the same grade of soil as for the original potting but the plants will not need any shading this time. Give them frequent heavy syringings, to keep down red spider, etc., and light fumigating frequently, to keep green fly from getting on them, and plenty of air at all times after they are once established in their first pot; this is very essential to their future health. Weeds, dead leaves, etc., should be removed immediately they appear. As soon as the plants have filled these last pots fairly well with roots and before they begin to turn brown from being pot-bound, they should be shifted into pots another size larger, and by the time these are filled it will be time to put the plants into their permanent quarters, where they are to bloom the coming season. JOHN N. MAY.

THE AMERICAN ROSE SOCIETY.

The annual general meeting of the American Rose Society will be held in the Fifth Avenue Hotel, Fifth Avenue and Twenty-third street, New York city, on March 28, 1900, the chair to be taken at 2 o'clock p. m., for the following business:

To elect officers to serve during the year 1901.

To elect two members of the executive committee to serve for a term of three years, N. Butterbach and H. A. Siebrecht retiring in accordance with the terms of their election.

To act upon an invitation from the Society of American Florists to send delegates to discuss the rose at its conven-

tion to be held in New York city, August 1900.

To receive and discuss a resolution creating a board of trustees, in whom shall be vested the permanent funds of the society.

To receive and discuss a resolution to amend the constitution, Article 4, Section 1, referring to the honorary vice-presidents, substituting "a board of" in place of "four."

To consider meeting place for next year; and to transact such other business as may come before the meeting.

Proxies of members in good standing, duly filled in, may be sent to the secretary at 136 Liberty street, New York city, up to Tuesday, March 27, and at the Fifth Avenue Hotel on the day of the meeting.

Prof. Byron D. Halsted will lecture on "Some Diseases of the Rose."

The completed schedule for the exhibition has been issued and copies may be obtained by addressing Leonard Barron, secretary, 136 Liberty street, N. Y. The schedule carries a grand total of cash prizes amounting to $964.50 besides special prizes of an aggregate value exceeding the cash premiums.

The sections and premiums are as follows:

Section A., open to all, teas and hybrid teas, thirty-one classes, $125 in first premiums, $65 in second.

Section B, limited to establishments having not more than 20,000 feet of glass devoted to the rose, teas and hybrid teas, thirty-one classes, $66 for first and $32 for second prizes.

Section C., open to gardeners and amateurs only, teas and hybrid teas, thirty-two classes, $69 in firsts, $33 in seconds.

Section D., open to all, hybrid perpetuals, nineteen classes, $81 in firsts, $54 in seconds.

Section E., open to gardeners and amateurs only, hybrid perpetuals, twenty-one classes, $66 in firsts, $38 in seconds.

Section F., open to gardeners and amateurs only, plants in not larger than 8-inch pots, thirteen classes, $101 in firsts, $63 in seconds.

Section G., open to all, climbing roses in pots, three classes, $32 in firsts, $18 in seconds.

Section H., open to gardeners and amateurs only, standard roses, three classes, $27.50 in firsts, $15 in seconds.

Section J., open to all, novelties, three classes, $12 in firsts, $7 in seconds.

Special premiums are offered in twenty-four classes and include thirteen silver cups, three medals and other valuable trophies and coin.

Lilium Masseyi.

In our issue of February 17, page 846, some mention was made of this new species, which was discovered in North Carolina and named in honor of Prof. W. F. Massey, of Raleigh, N. C. Thanks to the courtesy of Prof. Massey, we are now enabled to present an illustration of the flowers, prepared from a photograph of herbarium specimens. The plant is technically described by Prof. C. W. Hyams, of the North Carolina Experiment Station, as follows:

"Bulb 12mm in diameter or less, composed of fleshy scales; stem 1.5 to 3dm high, with two distant scales below; leaves linear, acute at both ends or the lower obtuse, 12 to 25mm long, 2 to 4mm wide, in whorls of 3 to 8, the central ones generally alternate, glaucous, the margins revolute, prominently three-veined; flowers 1 to 3, erect, 2.5 to 5cm high; perianth reddish-orange, its segments spatulate, obtuse, slightly pubescent, the blade 6 to 12 mm wide, gradually narrawed into the claw, purple spotted below; capsule obovoid, 12 to 25mm high."

The Double Snowdrop Anemone.

The writer does not know the origin of this new hardy herbaceous perennial, botanically known as Anemone Sylvestris fl. pl. It seemed to crop up at several places about the same time, as some of the sports of the chrysanthemum have done. Perhaps some one can give information as to the locality of its origin and whether it is a sport or a seedling. As this novelty is receiving considerable attention in England and other European countries and is being pushed by some firms as a leading novelty, our experience with it may be of interest to the florists of America.

LILIUM MASSEYI.
(From Herbarium Specimens.)

We have not as yet been able to test its flowering capabilities but as compared with the same sized plants of the type, this double variety was quite as free, although the plants were imported, divided and potted, about December 15, only two months previous to the time of flowering. The individual flower lasted well, was very double, and white, with the exception of a slight tint of green at the center. The stem was stout enough to support the flower well above the foliage. We had these small plants, in 2½-inch pots, in a night temperature of about 45°. Toward fall these plants began to flower again outdoors, but the very severe early frosts destroyed the blooms before they were fully developed. As far as we could tell, however, the green tint in the center was entirely absent. When a first-class certificate of merit was awarded to this plant by the Royal Horticultural Society of England, a foot note was added to the notice to the effect that the stems were weak and the centers of the flowers were green, but that the plants had been specially forced for the occasion, which might account for these drawbacks.

The flowers resemble double French anemones in miniature, and if well established plants, when forced, produce flowers with white centers, this novelty will soon become a favorite with florists, as it should do well in a frame or greenhouse where violets are grown. As an addition to the hardy plant border it is sure to be in demand, as early flowering plants are always especial favorites, and this is among the earliest. R. N.

Massachusetts.

More About the American Wonder Lemon.

Without seeing and testing the so-called lemon named American Wonder, mentioned in your issue of February 3, it may not be proper to give a definite opinion of it, but having examined a great many citrus fruits of like character it may not be out of place for me to speak of it from the standpoint of a pomologist.

If it is a true lemon, which I greatly doubt, it is worthless to the fruit trade. A lemon must not exceed two and one-half inches in diameter and two and one quarter is better. Nor is one with a bitter skin of much value. The fruits pictured were about five inches in diameter, and one is said to have weighed two and one half pounds. My belief is that this fruit is either a pomelo or some nondescript hybrid of the genus citrus. There are hundreds of such mongrels growing in Florida and California, where they have come up by accident, some being sweet, some sour, and some intensely so. None of them are much valued except as curiosities.

If there is a desire on the part of greenhouse men to grow a lemon tree occasionally, why not get a good variety, like Eureka, Villafranca or Lisbon? The true pomelo, improperly called "grape fruit" by many, is also a good fruit of which there are several well established varieties. Walters and Marsh are two of the best. But they make quite large trees for house culture.

One of the nicest of all the citrus fruits for house culture, and one of the hardiest as well, is the Satsuma orange. It is called Oonshin in Japan. If budded on trifoliata stock, which is now a very common practice, it dwarfs the tree in some measure and also makes it more able to resist cold. The fruit is small but delicious and attractive.

Parksley, Va. H. E. VAN DEMAN.

Apropos of the American Wonder lemon, an illustration of which recently appeared in your valuable paper, I send you herewith a seedling lemon which is one of sixty-five grown on a four-year-old tree this year. Many of them weighed as much as three pounds. The tree is planted in the ground in my greenhouse and now has matured fruit, fruit half grown, fruit just started and blooms, all at the same time. It blooms and fruits during the entire year.

Jackson, Miss. W. J. BROWN, JR.

COLLEGE POINT, N. Y.—Anton Schultheis has been appointed, by Mayor Van Wyck, as a member of the Queens Borough school board.

HARTFORD, CONN.—Edward Welch has purchased the Tunnel greenhouse at 14 Windsor avenue and will conduct a florist business at that place.

GREENLAND, N. H.—J. A. Littlefield escaped serious loss from the recent inundation. Although his fires were extinguished by the flood his stock was not frozen.

New York.

A TOUR OF THE WHOLESALE DEALERS — SOME VERY BUSY PLACES —THE SPECIALTIES.—GREAT QUANTITIES OF STOCK — PROPOSITION TO CONSOLIDATE TWO CORPORATIONS.—CARNATIONS AT THE BOWLING MEETING.—DIMMOCK RETURNS FROM EUROPE.—OTHER NOTES.

A tour of the wholesale cut flower district at the present time indicates a gradual increase in daily receipts and a general anticipation of lower values, the realization of which, however, may be somewhat retarded, until more sunny and spring-like weather is experienced. The quantity of flowers delivered at the various wholesale places in one morning is in the aggregate enormous, there being no less than twenty-six of these establishments of varying importance. A trip that will take them all in, allowing a reasonable time in which to examine their stock and greet the out of town callers one is sure to meet may easily consume an entire day and, it might be added, a day well spent. At John Young's, on Twenty-eighth street, one sees Ward's fancy carnations, also bulbous stock and roses in profusion and learns all about what the Florists' Club is doing. Next door is J. I. Raynor's, so crowded with buyers, roses and Johnnie Weir that you have to walk edgewise to enter; a busy mart on the dullest day. Just above is Ghormley & Perkins' new place, clean and spotless in a coat of fresh paint and glittering with gold letters on the window, and next below Raynor is Ed. Horan's, where sweet peas, forget-me-nots, amaryllises and lilies fill the window while faithful Billie hustles inside.

The handsomest store on the street, or rather two stores, is that of Thos. Young, Jr. Groups of palms and azaleas adorn the entrance and whole tiers of lilacs, Brunners, cape jasmines and, later on, Wiegand's renowned Jacqs. and hybrids, make the interior a perfect garden. Next comes Walter Sheridan, doing a big business but never busy, always cordial, and famed for his fine Beauties and violets. Across the street is Traendly & Schenck's, the headquarters of the bowling fraternity, where the visitor can get all the bowling news—provided there are no customers to attend to, which rarely happens, for they have a good line of them. A few doors above are Young & Nugent, who express great satisfaction over the results of this, their first year in business and have for a colleague Harry Bunyard, the "green goods" king. To reach J. K. Allen one must now cross Sixth avenue, a hazardous undertaking, but Mr. Allen agrees to provide accident insurance for all growers or buyers who will make the attempt.

Twenty-ninth street boasts a goodly row of wholesalers, too. Charlie Millang and Geo. Saltford occupy a store together in enviable harmony, while the office and cash are presided over by the most amiable little bookkeeper in the world, Miss Josephine Millang. A few doors below is M. A. Hart. Good natured and jolly he is and it is said that Mike can, with that twinkling smile of his, wheedle half a dollar more on the hundred out of a Greek than any other living man. Close to Broadway, the last in the row, is W. H. Gunther's "headquarters for violets," and every purple bunch is as conscientiously watched as an egg in a nest.

Julius Lang holds the balance of power on Thirtieth street, between Broadway and Sixth avenue. Independent and straightforward, he asks no favors of anyone, carries a good stock and manages to sell it all. Across Sixth avenue are the Ford Bros., well equipped with a Chester county smile and Quaker shrewdness and a window full of carnations and other good things. Skipping over a bunch of the lesser lights we can take a car down to Twenty-third street, where the New York Cut Flower Co. dispenses No. 666, Liberty, Olympia and Admiral Dewey to an eager throng, and Moore, Hentz & Nash maintain, with due ability, the prestige of the commission man. Far away at the Thirty-fourth street ferry is Frank Millang, doing a snug trade of his own in the early morning, surrounded by the strange, cosmopolitan bustle of the break-of-day flower market.

In all the tour we have met Johnnie Weir a score of times, listened to fourteen distinct phases of Charlie Carlin's philosophy, encountered several Greek gambling groups, seen a few hundred thousand roses, carnations, valley, daffodils and violets melt away into the immensity of the great metropolis, laughed at Mallon's witty gossip, learned the inside facts about the bowling tournament, the Boer war, the tenderloin and the Philippines, shook hands with the grower from Babylon and the retailer from Bridgeport and find ourselves at the wind-up with a pocket full of good cigars and the memory of a substantial dinner with a bunch of congenial spirits at May's or the Old Knickerbocker Cottage, just around the corner from where we started.

Negotiations are in progress between the New York Cut Flower Company and the New York Cut Flower Exchange looking to an amalgamation of interests and securing quarters in the neighborhood of the wholesale center. A special committee has been appointed by each of the parties to confer. If a union is effected a new corporation will be necessary.

Kretschmar Bros., from West Nyack, brought to the Flatbush bowling meeting last Thursday a set of seedling carnations of good size and general excellence. One very large one is a soft apple-blossom color and they have great faith in its future.

Fire did damage amounting to about $1500 in the conservatories of Mrs. Liebertz, at 971 Prospect avenue, Brooklyn, on the night of March 2.

H. A. Stoothoff has moved to 116 West street, where he has abundant room and facilities for converting tobacco stems into sure death for bugs.

Alfred Dimmock sailed for New York per steamship Etruria on March 3 and will soon be shaking hands with his American friends.

J. B. Kidd arrived last week from California and will take up his duties at Wm. Elliott & Sons' at once.

Philadelphia.

THE SEASON OF RESTRAINT BRINGS NO DIMINUTION IN TRADE.—BEAUTIES STILL SCARCE —PRICES HOLD WELL.—MARCH MEETING OF THE CLUB.—LONSDALE DISCUSSES BEGONIAS.—MICHELL TO WRESTLE WITH A TOUGH PROPOSITION.—VARIOUS ITEMS.

The sackcloth season is here but the trade, particularly the transient, ever-moving quantity, is better than before. There is much blooming stock about, everything seasonable being abundant. Harris is making a hit with his bougainvilleas, bringing in a few at a time but doing them so well that all are sold before they are really ready. His lilies and rhododendrons are also very fine. In the cut flower department there seems to be an even state of things, except that the American Beauty supply does not keep pace with the demand. Anything above regular orders is always promised with a "hedge," or way to get out of it if the order is not filled. Prices are about the same as last week, there being no noticeable weakening as yet. Daffodils and violets are an exception, however, these now being a little in excess of the daily requirements. Good daffodils may be had for $3, and 50 cents to 75 cents secures good double violets, while singles are 25 cents to 50 cents per hundred. Carnations range from $1.50 to $4, the quantity price being $2 for very fair flowers. Lily of the valley is $3 and mignonette $2 to $3. Harrisii lilies are $12 and scarce at that. All the growers seem to be holding back for Easter.

We saw some American Beauties at S. S. Pennock's this week that took the "rag off the bush," in fact most likely the bush and all. They were fine flowers on heavy stems, a few inches short of eight feet in length, clothed with luxuriant foliage to the bottom. Fahrenwold was the grower who cut them this extra length for a special order.

The March meeting of the Florists' Club was well attended, five gentlemen were elected to membership and several were proposed for action at the next meeting. The club roll is growing rapidly and shows a healthy state of affairs in Philadelphia trade circles. Edwin Lonsdale's paper on begonias was very interesting. He presented a new idea in that he claimed the plant to be a life saver, as in a private residence, when all the conditions necessary to plant growth, such as water, heat and light, are exactly right and the plant does not thrive and sheds its leaves, it shows the atmosphere of the apartments to be unhealthy and not fit for human use. When asked as to the best method of propagating Begonia Gloire De Lorraine, he said he was still experimenting with more or less gratifying results.

At the next meeting Henry F. Michell will wrestle with the problem as to "why floral products, such as plants and flowers, remain at last season's prices, while everything the growers use has risen 100 per cent or over in price." If he will explain this satisfactorily we know of several other mysteries that he will be called on to solve and he will soon become a mighty seer.

Resolutions of sympathy were passed on the death of Joseph W. Simpson, whose funeral occurred on March 8, a a retired private gardener, who, several years ago, was made an honorary member of the club.

H. P. Hugenholtz has been capturing orders for the house of K. J. Kuyk, of Ghent, in this city the past week. He says he finds the growers responsive and is well satisfied with his trip. K.

Boston.

TRADE GOOD.—ROSES INCREASING IN QUANTITY.—WHITE CARNATIONS A SCARCITY.—BULBOUS STOCK CROWDING.—VIOLETS STILL LOW.—CARNATION SHOW AT PARK STREET MARKET.—ALDERMEN MIX UP WITH THE PARKS.—DAWSON'S CRIMSON RAMBLERS.—VARIOUS MATTERS.

Trade holds out well for Lent. The wholesalers are all quite busy and those who make a specialty of miscellaneous supplies find the demand quite brisk and steady. Roses are slowly but surely

increasing in cut and the augmented supply makes buyers more critical, but no reasonable man can complain of the prices, which compare favorably with any recent year. Carnations do not increase any yet, there being almost a scarcity of whites and some favored varieties in other colors. Bulbous stock of all sorts begins to crowd a little. At the prices prevailing there is not much profit in it and should it accumulate to any degree there must follow a loss to some one. Violets are exceedingly plentiful and bringing low figures on an average, as has been the case for some time past. Lilies are getting more abundant and a few lilacs are beginning to come in. Already the talk of Easter prospects and Easter values is heard and opinions vary greatly, as usual, the "wish being father to the thought" in all cases.

There was a good exhibition of carnations at the Park street market on Saturday, March 3. Several of the novelties of the season, including No. 666 and some of Mr. Ward's seedlings, were shown by exhibitors from a distance and there were seedlings of varying merit from local growers. Nicholson, Patten, Cook, Macrae and others made good displays of carnations, one white from Carmichael being especially liked. Pierce showed mignonette and lilies of high grade, Comley showed good violets and Howard threw everything else into the shade with roses of remarkable size and finish. Among the visitors were M. J. Edmonds, Bristol, R. I., John Macrae, Providence; W. S. Nichols, Barrington; A. B. Knowlton, No. Grafton; H. F. Littlefield, Worcester; H. A. Cook, Shrewsbury, and Geo. E. Buxton, Nashua, N. H.

The Board of Aldermen has started an investigation of the park department, the commissioners and superintendent being the intended victims. All the average alderman knows about park management or requirements would not make a very large book but they are afflicted with a woeful unrest while there exists any department which they cannot work for political purposes. In the present instance they are aided and abetted by a handful of chronics who are not recorded as having ever accomplished anything themselves but assume to know it all. The chairman of the committee to which this precious coalition looks for relief is a liquor dealer.

Jackson Dawson has a lot of pretty little Crimson Ramblers in 4-inch pots, each bearing one or two large clusters of buds. These are but eight weeks old, having been two-eye grafts on pieces of Manetti root early in January and are now showing color. There is a suggestion in this for plant growers. How a window full of such would sell on Broadway, Chestnut street or Michigan avenue!

Mr. Dawson visited Schenectady on Tuesday of last week on a very sad errand—to attend the funeral of the little grandson of whom he was so fond.

On Saturday last the horticultural society appointed a committee to confer with the market managers with a view to holding future carnation exhibits in Horticultural Hall.

Chas. J. Dawson has been appointed forester of the Essex County, New Jersey, parks and will enter at once on his new duties.

The department of botany at Harvard University will send one case of the famous Blascka glass flowers to the Paris exposition.

Wading about the greenhouses in rubber boots, picking violets, was the pastime of some of the suburban growers during the recent freshet.

Mrs. James Quinn died at her home in Brookline on Monday morning, March 5.

In town: Paul Berkowitz, Philadelphia, Pa.

Detroit.

SEVERE WEATHER DOES NOT CUT TRADE.—STOCK SHORT OF THE DEMAND.—A CLUB ENTERTAINMENT AND A MEETING. BOWLERS TO PREPARE FOR CONVENTION CONTEST.—NOTES.

For the past two weeks this city has endured the most disagreeable weather of the whole winter, blizzards with deep snow and the thermometer marking many degrees below zero. At present the ground is covered with fifteen inches of snow but the bright sun of the past few days has already made an improvement in the quality and a decided increase in the quantity of all flowers. Stock has been extremely scarce and far short of the good demand which all dealers have enjoyed.

The Florists' Club recently gave an entertainment in Harmonie Hall. The night was very stormy but that did not deter about thirty members with their families and friends from attending. An excellent supper was served and card playing and dancing were indulged in till after midnight. The best of feeling prevailed and the affair was the most enjoyable event in the history of the club.

The club meeting last Wednesday evening was well attended, though many of the members present had long distances to come, which shows well for the interest taken in the organization. The feature of the meeting was the report of the carnation meeting at Buffalo from the observations of several members who attended, and the discussion which followed upon the merits and characteristics of the varieties shown there was very interesting and instructive.

Active work will begin at once by the bowlers who expect to go to New York next August. The railroad fares will be paid by the club for the team selected to enter the contest.

Robert Flowerday sailed last Saturday for England, where he will remain several weeks, visiting the scenes of his boyhood.

F. Kolbe, whose stock and greenhouses were destroyed by fire a short time ago, has taken charge of the greenhouses of John Krumholz on the Creek road.

J. K. Stock has just completed two houses, one 18x80 the other 16x40.

Recent visitors: Geo. T. King, Boston; Paul Berkowitz, B. Eschner. Walter Mott, Philadelphia; J. E. Killen, New York, and Robt. Greenlaw, of Boston.

J. F. S.

Indianapolis.

MARCH MEETING OF THE INDIANA SOCIETY.—NEW MEMBERS.—FIRE INFLICTS HEAVY LOSS UPON A PROSPEROUS CONCERN.—NOTES AND COMMENTS.

At the March meeting of the Florists' Association of Indiana Mr. Bauer, of Bauer & Smith, read a very interesting paper on carnations. E. G. Asmus of Vaughan's Seed Store, Chicago, was a guest and Ch. Knopf, of Richmond; J. A. Newby, of Logansport, and F. B. Tinker, of Peru, were elected to membership. A. Wiegand will speak before the society at the April meeting, on "Floriculture thirty years ago, or how we got a start."

The Indianapolis Plant and Flower Company suffered from a fire on Monday night, March 5. The blaze started in the boiler shed, to which a tank tower is connected. Both shed and tower were completely destroyed and three employes who were asleep in their room beneath the tank had a narrow escape. As all the greenhouses adjoin the shed they were more or less damaged and the smoke and heat ruined most of the stock. The heating apparatus was damaged to an extent that made it impossible to put it in running order before the next night, which promised to be a severe one, and other florists went to the company's assistance and hauled as much of the stock as could be saved to their places. W. J. Hasselman, the head of the company, estimated his loss at from $5,000 to $6,000, with insurance of only $1,000. It is his intention to rebuild as quickly as possible.

Martin Nelson, whose heating apparatus failed him during the last cold snap, suffered a loss which entitles him to our sympathy.

H. P. Smith, of Piqua, O., visited Indianapolis on his annual purchasing tour.

Wm. Bertermann has gone from Nashville, Tenn., to Florida. H. J.

Milwaukee.

HEAVY BUSINESS FOR SOME WEEKS.—ROSES AND CARNATIONS IN BRISK DEMAND.—OPPORTUNITY FOR SOME GOOD MATERIAL IN OTHER LINES.—SOME NOVELTIES.—VARIOUS NOTES.

Trade has been good for the past six weeks and it is probable that more flowers were sold than in any previous February. For a time orders for roses could only be partially filled but soon a run on carnations, which were good, relieved the tension on the rose. Judging from the returns from commission dealers and numerous telegrams for extra shipments of those two flowers, the grower is warranted in concluding that these two items will stand an increased output, but I wish to warn him that hundreds of people purchased roses or carnations who would have preferred something else, could they have obtained it. Just as soon as some two or three growers appreciate this fact and supply the market with choice crops of some desirable novelty, roses and carnations will be more severely culled than ever before and any increase in crops will be a discouragement. An expression which is familiar to every florist is: "I want a pretty center piece but am tired of roses and carnations; what can I have?" How many Milwaukee growers are preparing to help the retailer out of such a dilemma? One florist here has made a practice of keeping orchids and has found them a great help. Another has secured Chas. Raupach's entire cut of roses, which, compared with other roses, are as much of a novelty as orchids.

Frank Dilger has made a beginning. Last spring his Spanish iris was quite popular and lately a crop of ornithogalums has gone like hot cakes. Another florist has gained much of his popularity by having something to break the monotony of florists' windows. Last month long sprays of pink begonias, Euphorbia jacquiniæflora, Primula obconica, Echeveria metallica and pots of nasturtiums in full bloom have attracted considerable attention.

Loeffler Bros. are producing splendid single violets, and A. Billings has superior lilies and lily of the valley. Some pansies, mignonette and forget-me-nots

are coming in now. Fresh crops of adiantum are also in. Buettner's Novelty tulips take quite well and his first quality Beauties are deserving of praise. In two recent decorations a quantity of Bignonia venusta in full bloom was used.

The bowling club, lately organized, is practicing Thursdays. They will endeavor to acquire skill and courage sufficient to invite the Chicago team up soon for a contest.

There is prospect for a good supply of lilies for Easter.

Herman Hunkel is distributing a well gotten up circular in the interest of the S. A. F. Other vice-presidents would do well to follow suit. C. B. W.

Los Angeles.

FLOWERS ABUNDANT BUT TRADE GOOD.—DEMAND GROWING FOR THE BEST STOCK.—CARNATIONS IN TROUBLE.—ABOUT VIOLETS.—ROEDDER MEETS WITH AN ACCIDENT.—VARIOUS OTHER NOTES.

Notwithstanding the abundance of flowers all the commercial growers and dealers have been doing a good business. Each year adds largely to the residents of the vicinity, eastern people who are accustomed to using flowers and paying well for them. When they come here they are not satisfied with the garden flowers and seek the stores. Thus the demand for a superior quality is increasing and both the growers and dealers are interested.

A considerable loss has been sustained by the carnation growers by bursting calyxes. Fully twenty-five per cent of Los Angeles, the leading white variety, have been lost through this cause during the past month, and now the unusually hot and dry weather has developed millions of thrips.

Violets are grown here in great quantities to supply the local demand, and thousands of bunches are sold daily. The Central Park Floral Co. has made a specialty this season of the Princess of Wales and are well pleased with the result, but some of the growers believe that this variety does not produce nearly as many flowers as the California.

Alfred Roedder, of Shorb, met with an accident on February 23, while removing some large palms, one of which slipped, weighing about 800 pounds, and struck him on the right foot, breaking some of the small bones. It was necessary to enclose the foot in a plaster cast. In a few days the foot will be subjected to the X-ray to see if the bones are knitting properly.

H. Wilfrid Walker, who started a plant establishment about two years ago, has sold his stock, abandoned the business, and gone to Mexico.

Hon. Thos. R. Bard, the recently elected senator from California, is an enthusiastic horticulturist who has produced several new varieties of roses which have merit.

M. Welsh, who at one time was a florist in Ohio, but who now is a capitalist of California, is in the east and south. All along the route he has been "picking up" desirable plants to add to his collection. One of the recent additions was a Cocos nucifera in fruit. This was secured in Florida and arrived safely in California.

J. V. Linden, for a number of years Superintendant of Lincoln Park, Denver, Colo., is visiting Los Angeles with the intention of remaining. D. R. W.

WINNIPEG, MAN.—R. England, the city gardener, has the stock at Assiniboine Park in excellent condition.

Tarrytown, N. Y.

The monthly meeting of the Tarrytown Horticultural Society was held on Thursday evening, February 22, President Turner presiding. A letter was read from the secretary of the American Rose Society asking the society's co-operation at the forthcoming exhibition. It was voted to contribute $15 for a special premium.

The following gentlemen were elected to membership: Jas. Clark and Michael Ward, Irvington; Theodore Dinkle, Peter Smith and Wm. Hearney, Tarrytown. The following were proposed for membership: Eli Jago, Irvington; J. I. Donlan, New York; Wallace Odell, John Walquist and R. W. Husted, Tarrytown.

E. W. Neubrand reported that the Dutchess County Horticultural Society's dinner was a complete success. Our representatives thoroughly enjoyed themselves; they said that as a natural consequence the further up the river there is less and less water.

Wm. Stevenson staged a most excellent table of plants, including fine specimens of azaleas, cinerarias, primulas, Spiræa astilboides, Adlumia cirrhosa, and a fine lot of Paper White narcissi, for which he was awarded a certificate of merit. A certificate was also given to P. M. Pierson, Briar Cliff Greenhouses, Sing Sing, for a vase of Defiance mignonette. The flower spikes averaged fifteen inches in length and the foliage was like chrysanthemum leaves. Honorable mention was awarded to L. A. Martin for a vase of Princess of Wales violets, also to John Boshard for a vase of Marie Louise.

The executive committee presented the preliminary schedule for the fall show and it was ordered distributed.

L. A. Martin read a paper on vegetable growing, dealing with his subject in a masterly manner. He gave some good advice regarding soil, situation, manuring and also a complete calendar of operations for the vegetable garden.

The following syllabus was announced: March, chrysanthemums, by Jas. T. Scott; April, indoor roses, by A. A. Taaffe; May, small fruits, by Thos. Cockburn; June, outdoor roses, by Wm. Turner.

JAS. T. SCOTT.

Baltimore.

BUSINESS QUIET.—NO OVER-SUPPLY OF STOCK.—PERSONAL MENTION.

Business is rather quiet and, except when funeral orders are to be filled, the store man's life is one of leisure. The supply is not much more than the demand, however, and there is no prospect of a glut of anything, in fact carnations were rather scarce last week.

Julius Tischinger, whose attack of paralysis was noticed three weeks ago, is little, if any better.

Philip Welsh is seriously ill and has gone to a hospital for expert treatment.

MACK.

New Haven, Conn.

The cut flower trade has been very good for the past three weeks. St. Valentine's day was the best in several years and Washington's birthday was another good day for the florists. Plants of all kinds are in good demand, especially azaleas and Dutch hyacinths. Cut daffodils and tulips find ready sale. Roses and carnations are very plentiful, also violets.

Karl Rosien, of Westville, who has been ill with pneumonia, has recovered and was in town last week.

Recent visitors: R. H. Tuppe, New York; Mr. and Mrs. Stephen Horan, Bridgeport; O. H. Nye, Milford Mr. Ludwig, Cromwell; Paul Berkowitz, Philadelphia.

G. H.

CROMWELL, CONN.—Chas. A. Olson, with A. N. Pierson, and Miss Sarah M. Ostergren were married March 3.

EAST HAVEN, CONN.—John A. Long & Bro. lost considerable glass in a recent wind storm and much stock was damaged.

CLEVELAND, O.—Ella Grant Wilson is putting up some excellent wedding decorations and has enjoyed a very fine trade throughout the season.

SPRINGFIELD, ILL.—Geo. Hansen, who formerly conducted greenhouses here but who has for some time been located at Pittsfield, has returned to his old place.

CUMBERLAND, MD.—John A. Bopp recently lost considerable glass in a wind storm. For a time it looked as though the greenhouses would all be destroyed.

PONTIAC, ILL.—W. J. Miller has secured a new location on the banks of the Vermilion river and proposes to remove his houses in the summer, enlarging his place somewhat.

AMES, IA.—P. T. Barnes has resigned the foremanship at the Agricultural College greenhouses and has been succeeded by Mr. Irwin, from the Kansas Experiment Station.

LENOX, MASS.—Thieves have been systematically robbing the greenhouses of Wm. D. Sloane although the superintendent, Wm. Griffin, is doing his utmost to prevent the depredations.

NORTHAMPTON, MASS.—At the annual meeting of the Northampton Horticultural Society, on the evening of February 26, E. P. Copeland was elected president and James King secretary and treasurer.

BRANCHPORT, N. J.—Henry Hulick has removed his greenhouses from Eatontown to the property which he recently purchased here. He will put up a range of new houses this summer.

LEOMINSTER, MASS.—The residence of Joseph Fuller caught fire from a defective furnace flue February 25, causing damage to house and furniture to the extent of $2,000 or $3,000. The property was fully insured.

GREEN BAY, WIS.—C. Meyer, formerly with H. M. Reinecke, and his uncle, H. Detjen, of Milwaukee, have embarked in business here, leasing the store formerly occupied by Theo. Noehle. They have also bought land near Woodlawn Cemetery upon which to erect greenhouses.

WATERTOWN, CONN.—The packing room and boiler house connected with the greenhouses of Otto Roeski were badly damaged by fire on the morning of February 20. Mr. Roeski's residence and the greenhouses were only saved by excellent work on the part of the fire department.

BLOOMFIELD, N. J.—Ernest Petzold reported to the police on February 27 that early on the morning of that day forty-eight sashes had been smashed and that the violets growing underneath were frozen. He attributed the act to malice and furnished names of suspected parties to the detectives.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

SIR JOHN LUBBOCK, well known as a scientific writer on plants, is to be henceforth known as Lord Avebury.

AN English writer speaks very highly of Physalis Franchetti for pot culture. He recommends two year old plants, stating that one year seedlings are too weak for the purpose.

THE next big event is the spring exhibition of the American Rose Society, to be held at the Eden Musee, New York, March 27-29. The premium list is now ready and copies may be had on application to Leonard Barron, 136 Liberty street, New York.

THE colored plate which John Forbes, of Hawick, Scotland, sends us of Begonia Gloire de Lorraine Caledonia shows a handsome plant with pure white flowers, each bearing a cluster of yellow stamens in the center. Next autumn Mr. Forbes will offer B. Gloire de Lorraine Nana Compacta, which is said to be similar to the parent in all but habit.

THE production of window glass is at present at its highest point, 2168 pots being in operation in this country. The trust is supplying jobbers at prevailing low prices while the strong independent factories are holding for better figures, a hope which may not be realized, as well informed glass men believe that the policy of the combine is to discourage the building of additional factories and to drive the weaker concerns from the field.

THE notice of the meeting of the American Rose Society and the programme for the work at its sessions has been mailed to the members. Aside from purely business matters, the only feature announced is a lecture by Prof. Byron D. Halsted on "Some Diseases of the Rose." In scanning the list of officers and executive committeemen one notes that, geographically, the names are not representative. The New York-Philadelphia center claims all the officers and four out of six committeemen, Mr. Hill, of Indiana, and Mr. Wood, of Massachusetts, being the only outsiders. This is undoubtedly accidental, but the matter should have attention at the coming meeting, as the society is supposed to be "American."

Galax Leaves.

These leaves which within a few years have become so popular in floral design work are gathered in the mountains of North Carolina and Eastern Tennessee. Picking begins early in September but the leaves cannot be shipped safely by freight until later. The bronze leaves, which are in much greater demand than the green, cannot be got until about the middle of November, when the rich coloring is caused by successive frosts.

The pickers put the leaves in bundles and take them to the general merchandise store where they are received practically as cash at about 25 cents a thousand. The receivers have no regular arrangement for storage of large quantities and aim to unload the material as fast as received, which they usually do, as the demand about equals the supply. Dealers north place contract orders with them for certain quantities to be delivered at their convenience between certain specified dates. The leaves are packed dry with a little sphagnum moss among them, which supplies all the moisture they need. They keep better and travel better if frozen; in fact, the same conditions that are required by hardy ferns in storage just suits them and most of the damage to them comes from the same cause that injures the ferns—heating in transit. The dealers place them in commercial cold storage houses at about 28° Fahrenheit, and if in good condition when stored thus they will remain so for an indefinite period. Florists after receiving them should aim to keep them constantly in a temperature below freezing until ready to use them.

Greenhouse Building.

Salt Lake City,—Schwarz & Heinecke, two houses 20x120.

Denver, Col.—Scott J. Anthony, three houses.

Branchport, N. J.—Henry Hulick, range of houses.

Burlingame, Cal.—E. W. McLallen, range of houses.

Green Bay, Wis.—Meyer & Detjen, range of houses.

San Francisco, Cal.—Ferrari Bros., range of houses.

Delavan, Wis.—F. T. Monahan, one greenhouse.

Valley Stream, N. Y.—Frank Chapman, one conservatory.

Marlborough, N. Y.—C. G. Velie & Son, range of violet houses.

Chicago.

PROLONGED SHORTAGE IS AT AN END.—AMPLE SUPPLIES IN MOST LINES AND OVERSTOCK IN SOME.—TRADE STILL BRISK.—SCHILLER SELLS OUT AT NILES CENTER.—FOREST GLEN GROWERS SUFFER FROM FIRE.—CHRYSANTHEMUMS IN MARCH.—ANTHONY GOES TO GENEVA.

After six weeks of continual shortage stock has at length become plentiful. Since the beginning of the week there has been a sufficiency in all lines and on some items an over-supply. There are none too many long Beauties nor too many white roses but in some cases Bridesmaid and Meteor roses have had to be forced unless of better than the average quality. White carnations have gone well because of the quantity of funeral work in the hands of the retailers and bulbous stock has been moved by the same factor. The inclemency of Monday and Tuesday caused an accumulation of colored carnations and of violets, but then the sun came out and so did the fakir, with the result that the load was lifted at fakir's prices. Pansies, sweet peas, lilacs, jonquils and other specialties are to be had in considerable quantities. Shipping trade continues good and is of material assistance to the wholesalers, most of whom are still cleaning up in fair shape each day.

Herman Schiller has disposed of his establishment at Niles Center, the greenhouses going to John Brod and the residence and one acre of land passing to George Busscher. The new proprietor of the greenhouses is a young man who has been learning the business there and whose father has taken this excellent opportunity of setting him up for himself. Mr. Schiller will, for a time at least, continue to operate his three stores on the west side, consuming a portion of Mr. Brod's output, the balance of which will be consigned to this market.

Brant & Noe suffered a considerable loss from fire on February 28. The flames originated in their rear boiler room, in one of the worst storms Chicago has known in years, and three adjoining houses were injured more or less. In two of the structures one crop was almost entirely lost. They have most of the material on hand for their six new houses and, although the ground is not yet cleared, will rush the work of construction to have them ready for early planting with Beauties.

At the last meeting of the Florists' Club it was voted to invite the Society of American Florists to hold its seventeenth meeting in Chicago in August, 1901. A committee consisting of W. N. Rudd, Walter Kreitling and G. L. Grant was appointed to arrange the details of the trip to New York next August.

J. T. Anthony is now in charge of the establishment of W. P. Harvey, at Geneva, Ill. Hitherto the greenhouses there have been devoted to the cultivation of vegetables, but it is now proposed to grow carnations in them, also outdoor flowers, for the Chicago market.

M. O. Hoechener & Son, formerly at 1058 So. Hoyne avenue, have removed to larger and more commodious quarters, at 874 W. Twenty-second street, having secured a five year lease of this well located store.

Kennicott Bros. Co. received a splendid bloom of Chrysanthemum Minnie Wanamaker on March 7. It was from C. Oehlinschlager, of Oconomowoc, Wis., and was as large, well formed and as pure in color as in mid-season.

C. L. Washburn and family left yesterday for a ten days' outing at West Baden, Ind., with a party of Hinsdale people. Mr. Washburn has been suffering with the grip for two or three weeks.

J. W. Enzweiler, of 5325 Morgan street, on March 10, opened a branch store at Fifty-fifth and Halsted streets under the style of the Garfield Boulevard Floral Co.

Kennicott Bros. Co. had an unusually large supply on Wednesday, the stock from Grand Rapids, due on Tuesday not getting through until the next morning.

The establishment of the Chicago Carnation Co., of Joliet, is the subject of an illustrated notice in *Mollers' Deutsche Gartner-Zeitung* of February 17.

Bassett & Washburn have sold a large number of carnation cuttings. Their carnations are very fine this year.

J. V. Merrion, at the Union Stock Yards, is now dealing in pulverized sheep manure.

Benthey & Co. have been getting some extra Blanche Ferry sweet peas.

St. Louis bowlers have been invited to meet the Chicago team.

Visitors: H. Weber, of Oakland, Md.; John Bertmann, of Indianapolis, Ind.; Wm. L. Rock, Kansas City, Mo.

Toronto.

SHOW OF CARNATIONS.—THE BEST DISPLAY EVER MADE IN THE DOMINION.—THE EXHIBITORS AND JUDGES.

The Toronto Gardeners' and Florists' Association and the Toronto Horticultural Society united in holding a carnation exhibition in St. George's Hall, on Thursday, March 8. The affair was a great success as the display was the finest showing of carnations ever made in Canada and the hall was thronged, both afternoon and evening.

No effort had been spared to secure entries from the best growers in both the United States and the Dominion and the following well known firms were represented by their best products:

F. Dorner & Sons Co., Lafayette, Ind.; C. W. Ward, Cottage Gardens, Queens, L. I., N. Y.; W. J. Palmer, Buffalo, N. Y.; John N. May, Summit, N. J.; E. H. Michell, Philadelphia, Pa.; Albert M. Herr, Lancaster, Pa; Peter Fisher, Ellis, Mass.; Richard Witterstaetter, Sedamsville, O.; L. E. Marquisee, Syracuse, N. Y.; H. Weber & Sons, Oakland, Md.; J. L. Dillon, Bloomsburg, Pa.; E. G. Hill & Co., Richmond, Ind.; Wm. Scott, Buffalo, N. Y.; Miller & Son., Bracondale, Ont.; J. H. Dunlop, Toronto; George Hollis, Bracondale; W. Fendley, Brampton; F. Dicks, London; J. Gammage, London, and C. Scrim, Ottawa.

The judges were Wm. Gammage, London; Wm. Scott, Buffalo; Jas. McKenna and Jas. Bennett, Montreal. S. P.

Chestnut Hill, Pa.

At the last meeting of the Chestnut Hill Horticultural Society sixteen new members were admitted, and awards made as follows on the evening's schedule:

For the best vase of twenty-five carnations, to Robt. G. Carey, gardener to T. C. Price. For best specimen fern to Geo. W. Brown, gardener to Robt. N. Carson, for a grand specimen of Nephrolepis exaltata Bostoniensis. For three heads of salad, to Geo. W. Brown. A special prize for fine specimen of the Cucumber Sion House was awarded to William Boyce, gardener to Randal Morgan.

In connection with the above, special mention was made of a very fine seedling pink carnation, exhibited by Robt. G. Carey; a handsome large specimen Azalea Madame Vander Cruysen, shown by G. W. Brown; a very fine lot of Emperor William beans, exhibited by William Boyce, and for highly meritorious collections of carnations exhibited by Jesse Newman, gardener to H. C. Curtis, Wyncote; and William Robinson, gardener to J. W. Pepper, Jenkintown.

Special mention was also made of two fine specimens of Phaius grandifolius and of a seedling yellow calla lily, exhibited by Frank Gould, gardener to John T. Morris; for a collection of cinerarias and hyacinths, exhibited by John Moore, gardener to Edward L. Welsh, specimen plants exhibited by John McGowen, gardener to Wm. Bayard, and for a specimen Adiantum Farleyense, exhibited by Richard Moore, gardener to James Cheston.

In addition the gardeners were all interested in two fine vases of the new carnations, Olympia, from John N. May, and Ethel Crocker, by Robt. Craig & Son.

Prizes have been offered to be competed for at the March meeting: For vase of twelve roses in variety, vase of six American Beauties, three plants of cineraria, bunch of fifty violets, best plate of one dozen mushrooms and specimen of a flowering plant. J. HOWES HUMPHREYS.

OBITUARY.

JOHN G. GLEN.

The senior member of the Glen Brothers Nursery Company, of Rochester, N. Y., died February 27, at Haddon Hall, Atlantic City, N. J., where he was sojourning for his health. He was one of Rochester's oldest and most prominent business men and is survived by three brothers, Frank W. Glen, of Brooklyn, Alonzo P. Glen, of Medina, Ohio, and Gerrit S. Glen, of New York.

ROBERT C. BROWN.

The treasurer of the Brown Brothers Company, the well-known nurserymen of Rochester, died very suddenly on February 27. He had been suffering with a severe cold, which inclement weather caused to result in pneumonia. Mr. Brown was born in Rochester in 1864 and at twenty years of age he and Charles J. Brown embarked in the nursery business. Ten years ago they incorporated as the Brown Bros. Co. The firm's business has developed rapidly. They now have large packing grounds at Brighton, near Rochester, a Canadian branch near Toronto, and maintain a Chicago office. Mr. Brown had a beautiful home at Rochester, the grounds being embellished with many rare trees and shrubs. The deceased was also treasurer of the Herrick Seed Co., the Perry Nursery Co., and a trustee of the Monroe Avenue Methodist church. He is survived by Mrs. Brown and a little daughter.

TARRYTOWN, N. Y.—James T. Scott has taken charge of the horticultural work carried on in connection with the House of Refuge, Randall's Island, New York.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a first-class florist, competent to fill any position, commercial or private. Address A B, P. O Box 131, West Orange, N. J.

SITUATION WANTED—By a good grower of roses and general stock; single, German; 15 years' experience. Best of references. Address W W, care American Florist.

SITUATION WANTED—By young man (25), in a large rose growing establishment as assistant; also able to take charge of greenhouses. Address R K, care American Florist.

SITUATION WANTED—By a good grower of roses and carnations; 18 years' experience; single; American, 32 years of age. State wages. Address R C, American Florist, Chicago.

SITUATION WANTED—By a competent grower of cut flowers and plants, married, small family, private place preferred. Address F A, care American Florist, Chicago.

SITUATION WANTED—By man of 49; 30 years' experience in the florist business—Europe and the eastern states. In or near Chicago preferred. At liberty 15th of March. Address L A, care American Florist.

SITUATION WANTED—By experienced florist; good designer, decorator, etc., roses, chrysanthemums, carnations, violets specialties; 20 years practical study. Best references. Address FLORIST, 1021 W. 3rd St., Canton, O.

SITUATION WANTED—As gardener and florist on private place, by a young man, age 25; life experience in the care of lawn, vegetables, greenhouses, etc. Good references State wages, etc. Disengaged April 1. JAMES C MARSH, Kings Park, L. I., N. Y.

SITUATION WANTED—As head gardener; first-class all-around man; passed a high-school for gardening and gained practical experience in Europe and America. Landscape gardening, roses, palms, orchids and fruits specialties. Address GARDENER, New York City Postoffice.

WANTED—A rose grower, to take charge of section. Young man preferred. Address BRANT & NOE, Forest Glen, Ill.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS. B. BULL, Bakersfield, Cal.

WANTED—A copy of issue No 4, October 1, 1885, volume I of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED—Florist at once, to grow cut flowers and general greenhouse stock; German; single man; well recommended. MRS. GEO WALDBAUER. 1317 N. Michigan Ave., Saginaw, Mich.

WANTED—Landscape and vegetable gardener for gentleman's place near Milwaukee. Single. References needed. State experience F. W. VON COTZHAUSEN, Milwaukee, Wis.

WANTED—A grower of roses, carnations and general stock; must be sober, reliable and a worker. Wages $40 to $45 per month, without board. Address J. FULLER, 31 Orchard St., Leominster, Mass.

WANTED—A rose grower who thoroughly understands growing A No. 1 stock The right party will have a good position. First-class references required. Address M K, care American Florist.

WANTED—By April 1st, young man with some experience, to do general greenhouse work. Good wages and board; steady employment for the right person. Must give references. Address THEAKE F. VANDER MEULEN, Dunkirk, N. Y.

WANTED AT ONCE—A competent, single man—German preferred—to take charge of 20,000 feet of glass in roses, carnations and general stock, doing wholesale and retail business. Wages $30 per month and board. None but a live man need apply. Address Box 178, Sharon, Pa.

FOR SALE—First-class florists' store, on south side, Chicago. Possession given before Easter. Address H, care American Florist.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Established florist business, with or without 7-room dwelling, in a good Indiana town; no competition within 20 miles. Will bear investigation. Address WABASH, care American Florist.

FOR SALE—On account of bad health, fine retail business in city of 40,000. 4000 ft. glass well stocked; dwelling, barn and stable on electric car line. Very reasonable. Address E, care American Florist.

SOLE AGENT WANTED FOR THE Dutch Bulb Trade.

A Dutch wholesale bulb grower seeks a respectable person as **SOLE AGENT** for the United States and Canada. Address, stating full particulars,

No 300, Post Office, VOORHOUT, near Haarlem, Holland.

To Greenhouse Builders.

Scott J. Anthony, of Denver, Colorado, wants 3 Greenhouses built, first class work; iron, cypress or pine, buildings average 20 by 90 feet. Heating apparatus to cover about double the number of cubic feet. Cash as work progresses, if required.

To Lease,

12 Greenhouses, about 60,000 feet of glass. Filled with palms, roses, carnations and miscellaneous stock.

Business established 17 years, and will be leased to responsible parties only, April 1st. All stock to be sold by inventory. Located within 50 miles of New York City. Address

JOHN YOUNG, 51 W. 28th St., New York.

FOR SALE

102 acres fine land, part cultivated	$2,800.00
Lot 52x241, four greenhouses, sheds, etc.	3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain	3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling	4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc.	6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business	7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling	9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

Pleasure and Profit.

AM. FLORIST CO.—Your paper is a weekly source of pleasure and profit to every one connected with this concern and three copies of it have been subscribed for by the company for several years—one to my house, one to the greenhouses and one to the store. In addition to that the foreman and one or two of the men each receive a copy.

J. A. VALENTINE, Pres.,
Park Floral Co.

Denver, Colo., Jan. 15, 1900.

Wholesale Flower Markets

CINCINNATI, March 8.

Roses, Beauty, select	40.00
" " medium	20.00
" Bride	5.00@ 8.00
" Bridesmaid	5.00@ 8.00
" Meteor	5.00@ 7.00
" Perle	4.00@ 5.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Lily of the valley	3.00
Violets	50.@ .75
Narcissus	3.00
Roman hyacinths	2.00@ 3.00
Callas	10.00@12.50
Harrisii	10.00@12.50
Daffodils	3.00@ 4.00
Tulips	3.00@ 4.00
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Common ferns	.20
Galax leaves	.15

ST. LOUIS, March 8.

Roses, Beauty	10.00@15.00
" " fancy	20.00@30.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	6.00@ 8.00
" Perle, Wootton	4.00@ 6.00
Carnations	1.50@ 3.00
Lily of the valley	3.00@ 4.00
Violets	.30@ .50
Narcissus	3.00
Romans	2.00@ 3.00
Callas	12.50@15.00
Harrisii	12.50@15.00
Tulips	2.00@ 4.00
Freesias	1.00@ 2.00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Sweet peas	1.00@ 1.50

MILWAUKEE, March 8.

Roses, Beauty, long, per doz.	4.00@ 5.00
" " medium " "	1.50@ 2.00
" " short " "	1.00@ 1.50
" Bride, Bridesmaid	6.00@10.00
" Perle	4.00@ 8.00
" Meteor	6.00@10.00
" Kaiserin	6.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	3.00@ 4.00
Violets	.50@ 1.00
Roman hyacinths	3.00
Daffodils	2.00@ 3.00
Mignonette	2.00@ 3.00
Adiantum	1.00@ 1.50
Common ferns	.25
Smilax	15.00@18.00
Asparagus	75.00
Galax leaves	.20

PITTSBURG, March 8.

Roses, Beauty	3.00@50.00
" Bride, Bridesmaid	4.00@15.00
" Meteor	4.00@15.00
" Kaiserin	4.00@15.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6.00
Carnations	1.50@ 4.00
Lily of the valley	2.00@ 4.00
Violets, double	.35@ 1.00
" California	.35@ .50
Narcissus Paper White	2.00@ 3.00
Daffodils	2.00@ 3.00
Roman hyacinths	1.50@ 3.00
Harrisii	10.00@15.00
Freesias	1.50@ 2.00
Tulips	2.00@ 4.00
Mignonette	1.00@ 3.00
Smilax	12.00@15.00
Wild Smilax, per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax leaves	.15

DENVER, March 7.

Roses, Beauty, select	32.00@48.00
" ordinary	10.00@20.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Perle, Wootton, Niphetos	6.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00
Lily of the valley	5.00@ 6.00
Violets	50@ .75
Callas, per dozen	1.50
Roman hyacinths	3.00
Narcissus	3.00@ 4.00
Daffodils	4.00
Sweet peas	1.50
Asparagus	50.00
Smilax	17.00
Ferns	.30
Galax leaves	.20

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8.00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CYPRIPEDIUM INSIGNE	.25	2.50

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. per dozen, $1.00
DRACAENA TERMINALIS, nice plants, 2½-in. " 1.00

(*Special prices will be quoted on application for these plants in quantity from the sand.*)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

ORDERS BOOKED NOW IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

Commencing February 1st, 1900.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin

124 Tremont St., BOSTON, MASS.

GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

HUDSON & CO. WHOLESALE :-: FLORISTS,

1527 PINE STREET,

Phone, Kinloch D 83. ST. LOUIS, MO.

Consignments Solicited. Prompt returns guaranteed.

WM. L. LINGENBRINK, Wholesale Florist.

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CONSIGNMENTS SOLICITED.

1005 Seventeenth St., Denver, Col.

HARDY Cut Ferns!

$1.00 PER 1000.

GALAX LEAVES.....$1.00 per 1000
BOUQUET GREEN.....4 cts. per lb.
SPHAGNUM MOSS.....75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order.....3 to 8 cts. per yd.
XMAS TREES, both Spruce and Balsam, for decorations, from 4 to 20 ft. Price very reasonable.
BAILED SPRUCE, for cemetery use, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

TELL THEM WHERE YOU SAW THE AD.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen.

	Per Dozen.
AM. BEAUTIES, Ex. long	$5.00 to $6.00
" 24-inch stems,	3.00
" 20 " "	2.50
" 15 " "	2.00
" 12 " "	1.25
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 1.50
BRIDES	6.00 to 8.00
BRIDESMAIDS	6.00 to 8.00
METEORS	6.00 to 10.00
PERLES	4.00 to 6.00
VALLEY	3.00 to 4.00
TULIPS	2.00 to 4.00
LIL. HARRISII	10.00 to 12.50
CALLA LILIES	10.00 to 12.50

	Per 100.
DAFFODILS	$3.00
VIOLETS, double	1.00
" single	.50
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	1.00
ASPARAGUS	50 cts.
SMILAX	$1.50 per doz.
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS	$1.25 per M. .15
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4.50
No. 5 " 40 lbs.	5.50
No. 6 " 50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's

Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc. MASSACHUSETTS FANCY FERNS, per M. $1.25; 5 M lots, $5.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

5,000,000

Hardy Cut Ferns

FANCY, 75c per 1000
DAGGER, $1 per 1000

Laurel roping 4c yard; fine Sphagnum Moss 50c a sack; second grade 35c; Bouquet Green, roping 4c yard, loose, 1½c lb. Cash with all orders. Orders by mail or dispatch promptly attended to.

Thos. Collins, Hinsdale, Mass.

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, March 9.

Roses,	Beauty, extra long stems		4.00@ 5.00
"	" 30 inch	"	3.00@ 3.50
"	" 24 "	"	2.50
"	" 20 "	"	2.00
"	" 15 "	"	1.50
"	" 12 "	"	1.25
"	" 8 "	"	1 00
"	Bride, Bridesmaid.		5.00@ 8 00
"	Perle		4.00@ 6.00
"	Meteor		5.00@ 8.00
"	La France		6.00@ 8.00
"	Golden Gate		10.00
Carnations			1.50@ 2.00
"	fancy		3.00@ 4.00
Violets, doub'e			.50@ 1.00
"	single		.40@ .50
Lily of the valley			3.00@ 4.00
Cattleyas		per doz.	4 00@6.00
Dendrobiums		"	3.00
Lilacs		"	.75@1.00
Mignonette			1.00@ 2.00
Roman hyacinths			1.00@ 2 00
Dutch hyacinths			4 00@10 00
Narcissus			3 00@ 4 00
Harrisii			10.00@12 00
Callas			8 00@10.00
Freesias			1 00@ 3 00
Tulips			2.00@ 4.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			8 00@10.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST. 19-21 E. RANDOLPH ST. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Maneger,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT A.D. 1763 COL. BOQUET. PITTSBURGH, PA.

Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Flor sts' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

Wholesale Commission Florists.

New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

LONG DISTANCE TELEPHONE.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN FLORISTS' SUPPLIES

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

Wholesale Flower Markets

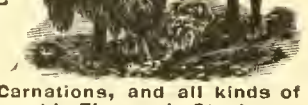
PHILADELPHIA, March 7.

Roses, Tea	6.00@10.00
" extra	10.00@12.00
" Beauty, extra	40.00@50.00
" " first	20.00@30.00
" " seconds	6.00@12.00
Carnations	1.00@ 1.50
" fancy	2.00@ 4.00
Lily of the valley, Romana	3.00@ 4.00
Violets	50@ 1.00
Daffodils	3.00@ 4.00
Mignonette	3.00@ 4.00
Asparagus	50.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

BOSTON, March 7.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	4.00@ 6.00
" " extra	8.00@12.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets, single and double	30@ .50
Daffodils	2.00@ 3.00
Longifloruma	10.00@12.00
Callas	6.00@ 8.00
Freesias	.50@ 1.00
P. W. narcissus, Roman hyacinths	1.50@ 2.00
Mignonette	3.00@ 4.00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.



Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

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A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

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Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq.
39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists.
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, March 7.

Roses, Beauty select	30.00@35.00
" " medium	10.00@20 00
" " culls	2 00@ 5.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " " Select	8 00@10 00
Carnations	1 00@ 1.50
" fancy	2.50@ 5.00
Lily of the valley	1.50@ 3.00
Violets	.25@ .50
Romans hyacinths, P. W. narcissus	1 00@ 1.50
Yellow narcissaus	1.00@ 2 00
Mignonette	2.00@ 5.00
Sweet peas	1 00@ 1 50
Callas	6 00@ 8.00
Harriall	10.00@12.00
Lilac, per bunch	.50
Freesias	50@ .75
Cattleyas	30.00@50 00
Smilax	10.00@15.00
Asparagus	35 00@50.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, March 8.

Roses, Beauty	5.00@60 00
" Bride, Bridesmaid, Meteor	4.00@10.00
" Perle, Niphetos	3.00@ 6.00
" Kaiserin	6.00@ 8.00
Carnations, ordinary	1.00@ 2 00
" fancies	3.00@ 4.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1.25
Mignonette	2.00@ 4.00
Daffodils	3 00@ 5 00
Roman hyacinths	2.00@ 4 00
Harriell	12.00@16.00
Callas	8.00@10 00
Tulips	3.00@ 5.00
Smilax	15.00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	.15
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN IS NOW AT 106 W. 28th St., NEW YORK CITY,
where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square
.....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT McCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITING CHICAGO: A. J. Brown, of Grand Rapids, Mich.; Howard F. Darrow, of Minneapolis.

RESULTS from advertising in the literary papers and magazines are not considered extra good so far in 1900.

SAGINAW, MICH.—The contract has been let by the Grenell Seed Co. for a three-story building to cost about $5,000.

WINTRY weather with heavy snow storms in the northern sections of the country have apparently given the mail order trade quite a set-back.

THE lowest bidders on the government seed contract are said to be the Ullathorne Seed Co., A. C. Nellis and Charles Parker. We have not learned yet, however, that the award has been made.

HOUSTON, TEXAS.—The seed business carried on by T. H. Thompson & Co., wholesale dealers in fruit, produce, etc., has been taken over by T. H. Thompson, who intends to establish a general seed store in this city.

St. Louis.

STOCK INCREASES.—OVER SUPPLY OF VIOLETS.—ROSE PRICES.—HEALTH TOURS CONTEMPLATED.

There has been a decided change in the cut flower market this week. Stock is more plentiful and prices are lower. There is an over supply of violets and long stemmed Californias are being sold in the retail stores at 10 cents a bunch and the small German variety has no sale whatever except with the street fakirs, who sell them at 5 cents a bunch. Bride and Bridesmaid roses are bringing from $4 to $8 per hundred. Meteors remain scarce and Perles bring $3 to $4. About the only demand is for funeral stock.

It is reported that Will and John Young, of C. Young & Sons' Co., are about to take an extended trip for their health.

J. M. H.

ROCKDALE, PA.—Andrew Springer's greenhouse was destroyed by fire on February 28.

SHENANDOAH, IA.—O. B. Stevens' boiler blew up on Sunday, February 25, and a serious loss was narrowly averted.

HILLSDALE, MICH.—Nicholas Smith's greenhouse was recently damaged by fire resulting from a defective heater. The loss was $250, fully insured.

H. ZIJP & CO.,

Uitgeest, Holland,

Inform their clients in the United States and Canada that Mr. H. Zijp will arrive in New York about March 14th. Please address all correspondence to him care of Messrs. Knauth, Nachod & Kuhne, New York, till May 7th.

...Our New March 1st...

MARKET GARDENERS' AND FLORISTS' WHOLESALE CATALOGUE

Is now ready, and if you do not receive a copy by mail, write for it.

Special Offer of... Bulbs.

	Per doz.	Per 100
Begonia, tuberous rooted, single, mixed	35c	$ 2.00
" " " rose, crimson, scarlet, pink, yellow and white	40c	2.50
Caladium Esculentum, small size		3 50
" " medium size		6 00
" " large size		12.00
Gloxinias, choice mixed	50c	3.50
Tuberoses, double Pearl No. 1...Per 100, 85c; Per 1000, $6.50		

JOHNSON & STOKES, 217 & 219 Market St., Philadelphia.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of CHOICE FLOWER SEEDS FOR FLORISTS is now ready. A post-card will bring it to you.

We have still on hand some of our LILY OF THE VALLEY PIPS, the finest that come to this country. Per 1000, $10; cases of 3000 at $9 per 1000

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6 00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Please mention the American Florist when writing.

Tuberous Begonias, single, five separate colors, extra fine large bulbs, ½-inch, per 100, $2 50 Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs per 100, $3 00. Cannas in choicest sorts, $2.00 to $8 00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Spreng ri seed. 100 75c; 1000 $6 00. Asparagus P Nanus (TRUE) 100 $1 00; 1000 $9.00. Latania Borb. 100 40c; 1000 $2 50 Pandanus Utilis, 100 $1.25; 1000. $10 00. Cocos Wedelliana, 100 $1 00; 1000 $7.50. Send for our NEW spring list. Address H. H. BERGER & CO., 47 Barclay St., N. Y.

Always mention the American Florist when you order stock.

Gardening Under Glass

Try Watson's for SELECT STOCKS of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, originator's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.50
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25

MUSHROOM SPAWN, my celebrated "W. P." brand, best in the world, 10 lbs. for $1.00 Sample brick, postpaid, for 25c.

RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.

CRAPE VINES, for graperies, 30 varieties. 1-yr., 75 cts; 2-yr., $1 50 each.

Bailey's Forcing Book The latest up-to date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass, 226 pages, 88 illustrations, price $1 00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,

Importer and Exporter of GRASS and GARDEN SEEDS, BULBS, Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.

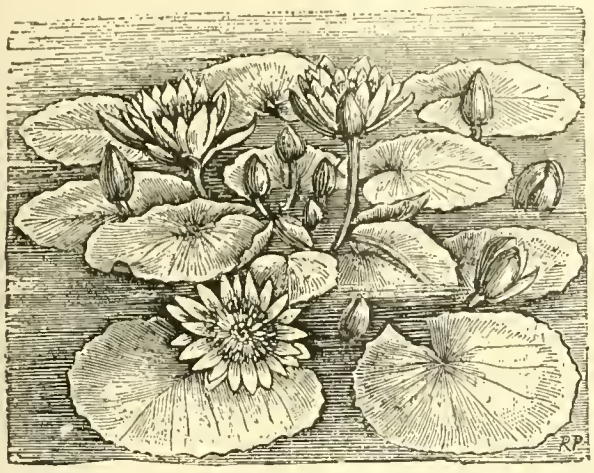
Office & salesroom, Juniper St. below Walnut, PHILADELPHIA, PA.

OUR traveling man is now in the United States. Address all communications up to May 1st, J. C. Hillebrand, care Knauth, Nachod & Kuhne, New York, N. Y.

SEND FOR ESTIMATE.

The Holland Bulb Co.,

OEGSTGEEST, HOLLAND.



NYMPHÆA ZANZIBARENSIS.

Water Lilies.

WE ARE HEADQUARTERS FOR WATER LILIES AND AQUATIC PLANTS OF ALL KINDS.

SOW NOW Seeds of Victorias, Nelumbiums and Nymphaeas. Intending planters will gain a long start and early blooms by procuring dormant tubers of the tender Nymphæas now, and starting same indoors, thus securing strong plants for planting at proper season, and also save the expense of heavy express charges.

We shall be pleased to furnish estimates, and our specialist, Mr. Wm. Tricker, will be glad to offer practical suggestions to those intending planting either large or small ponds.

HENRY A. DREER,

714 Chestnut St. **PHILADELPHIA.**

LILIUM SPECIOSUM RUBRUM.

Spring Bulbs...

TUBEROSES, True Excelsior Dwarf Pearl.
CALADIUM ESCULENTUM.
GLADIOLUS in largest assortment.
LILIUMS, AURATUM, SPECIOSUM ALBUM and RUBRUM. All sizes. Etc., Etc.

FOR THE FLORIST, SEEDSMAN AND MAIL ORDER HOUSE.

We carry an immense stock and you will find OUR PRICES LOWEST, consistent with quality.

CHICAGO: 84-86 Randolph St. **Vaughan's Seed Store,** New York: 14 Barclay St.

.....It's a "CATBIRD"

Was the exclamation of one of the best growers in the west when he discovered this sport, four years ago. By carefully handling it, and not over-propagating it, we are now able to offer to the trade a clean, healthy stock of the best

Red Carnation

On the market, for both grower and retailer. Not quite as large as Crane or Jubilee, but an intense red, on long, stiff stems, averaging **Sixty-five Blooms** to the plant. Received honorable mention at the Carnation show in Chicago January 19. Rooted Cuttings, $2.50 per 100; 2-in. pots, $3.50 per 100.

LAKE GENEVA FLORAL CO.,
LAKE GENEVA, WIS.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1.50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1.50
Mrs G. Bradt, var.	5.00	Wm. Scott, pink	1 00
Glacier, white, fine	4.00	Lizzie McGowan	1 00
Gen. Maceo, best crimson	$5.00 per 100		
Mrs. Jas. Dean, fine pink	3 00 per 100		
Nephrolepis, Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12.00 per doz.			

Cash please. CARL HAGENBURGER, West Mentor, O.

ASPARAGUS SPRENGERI, fine plants, 2½-in. pot ..... $4 per 100
NEW FORGET-ME-NOT. Sutton's Gems, large plants ready to bloom ..... $5 per 100
DAHLIAS, named sorts, field roots ..... $4 per 100
BEGONIAS, (tuberous) single ..... $2 per 100
GLOXINIAS, fine strain ..... $3 per 100
GLADIOLI, fine mixture, 2d size ..... $4 per 1000

SEND FOR CATALOGUE AND LIST OF BULBS.

A. BLANC & CO., Philadelphia.

ROMAN HYACINTHS.

Narcissus, Paper White and Grandiflora.
Trumpet Major. True Freesia
Refracta Alba, and all other
bulbs for forcing.

One of the largest houses in Europe for Bulbs and Immortelles in all colors, at wholesale only. The best prices can be obtained by writing

A. ROCHE, OLLIOULES, VAR. FRANCE.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

A NEW dwarf evergreen named Rosedale Hybrid is offered by Baker Bros., Fort Worth, Tex., who claim it to be a cross between the golden arbor-vitæ and Retinospora squarrosa, with the form and growth of the former and texture and color of the latter.

Root-injured Nursery Stock.

Owing to the unusual severity of the winter of 1898-9 and the prevalence of root killing, this question is pertinent in view of the possibility of a recurrence of the injury under present snowless conditions this winter.

I think it is safe to say that in nine cases out of ten the wisest thing to do is to dig root-injured stock and burn it. One-year-old trees rarely recover, because the roots from the scion have developed to only a slight extent. Two-year-olds show a larger percentage of those which recover, while three-year-olds make a still better showing. In the case of three-year-olds which may recover, it is necessary to allow them to remain an additional year in the nursery row. This makes them too stocky and too heavy for distant shipping and their only value is for local trade. Therefore their features of usefulness are very limited. But it should be remembered also in this connection that own-rooted trees are valuable. I have many times noted that a root graft might loose its seedling root the first year and yet save itself by the roots thrown out from the scion. In such cases the trees, if taken up and set somewhat deeper in the nursery, were uninjured afterwards, by conditions as severe or even more so than those which killed the roots of the stock in the first place. There are those, too, who argue that a tree upon its own roots is more fruitful and healthful than a tree on any other stock.

American plums were in some instances killed last winter but oftener they were only root injured. That is to say, the cambium and inner bark were discolored. Where this condition prevailed and where good cultivation was given afterwards, the tree grew and apparently entirely recovered. The difficulty is, however, that they were unfit for market on account of their large size when this recovery had taken place. As in the case of the apples, a limited number might be used for local trade. It would therefore seem wise in the case of injured American plums to try the benefits of good cultivation in saving one and two-year-old stock. Where Myrobalan stocks are used it may be considered useless to spend time in cultivating and endeavoring to save injured roots. So far as I have observed frozen Myrobalan stocks did not recover at any point throughout the region of severest injury. The same is true of Marianna stock and Mazzard cherry stocks.

The experiments which were carried on here last season emphasized very strongly the value of good cultivation in orchard and nursery. The fore part of the season was so exceptionally favorable to growth that thousands of trees which would otherwise have died were saved. The latter part of the season was exceptionally dry, and where good cultivation was given the moisture was saved to the soil and was thus available to the trees. Good cultivation conserved water supply and thus assisted growth. The value of such cultivation was never more completely demonstrated. So abundant was the rain-fall in the early part of the season that one correspondent wrote me stating that while everything was root-killed in his locality everything was growing, even to his willow wood-pile.

Ames, Ia. JOHN CRAIG.

Work of New York Nursery Inspectors.

Certificates of inspection of nursery stock have been issued by the Department of Agriculture at Albany to nearly 500 nurseries in New York state during 1899. These certificates are good up to and including June 30, 1900.

The inspectors found that the San Jose scale has not increased appreciably in 1899 and are under the impression that it is on the decrease. There has been about 43,000 nursery stock destroyed this year; about seventy per cent of this number being confined to one locality, where the scale had gained such a foothold that it was not only necessary to destroy nursery stock but a great many other trees and shrubs as well. The western part of the state is comparatively free, there being but three or four instances where it existed to any extent, and that stock was entirely destroyed.

There are in the state five inspectors, men who are taken from the civil service eligible list, after having passed an examination for the position of nursery inspector. There is now before the legislature a bill amending the law, so as to have fumigating applied to all stock raised within the state as well as to all stock brought from without the state.

Notice of Removal

MARCH 10, 1900.

WE are now in our new quarters, 64 Wabash Avenue, South-east corner of Randolph Street, where we have ample room, good light and, best of all,

A LARGE AND FINE STOCK OF ALL LEADING VARIETIES IN EVERYTHING A FLORIST NEEDS.

Thanking you for past favors and hoping you will not forget the number,

Yours truly,

W. E. LYNCH, 64 Wabash Ave., ...CHICAGO.

We are now booking Import Orders for

H. P. ROSES,

in all popular varieties, at $50.00 per 1000, f. o. b. Boskoop, Holland.

We would be glad to give prices upon Rhododendrons, Azalea Mollis, Clematis, Hydrangeas, etc., upon application.

ENGLISH IVY. Young plants 2-3 ft., 1 to 3 shoots. Just the thing for spring planting. $4 per 100, $35 per 1000.

Bobbink & Atkins,
....RUTHERFORD, N. J.
NURSERY AND STORAGE CELLAR AT
Carlton Hill, N. J.

TREES

Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc.

Our new beautifully illustrated catalogue, replete with practical hints for planters free to regular customers; to others for 10c.

ELLWANGER & BARRY,
Mt. Hope Nurseries, ROCHESTER, N. Y.
Established 60 years

IRISH AND SWEDISH Juniperus

	100	1000
6 to 9 inches, transplanted	$ 5.00	$40.00
9 to 12 " "	6.00	50.00
12 to 15 " "	7.00	60.00
15 to 18 " "	8.00	75.00
18 to 24 " "	10.00	
24 to 30 " "	13.00	
30 to 36 " "	15.00	
15 to 18 Savin Junipers	6.00	

Rooted Cuttings ready May 20.

Roses, clean, healthy plants from 2-inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, Bridesmaid, La France, Albany, Wootton and Testout. One year old dormant pot grown Wootton, $5.00 per 100. Ismene Calathinum, white summer blooming Amaryllis, strong bulbs, first size, $12.50 per 100; second size, $10.00 per 100.

JOSEPH HEINL, Jacksonville, Ill.

FRUIT and ORNAMENTAL TREES SHRUBS VINES AND ROSES

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y.

Please mention the American Florist when writing

CANNAS

The 3 Best Solid Red Cannas.

BLACK PRINCE.....$10 00 per 100
PHILADELPHIA..... 4.00 per 100
DUKE OF MARLBORUGH, 4.00 per 100

BOSTON FERN, strong 2½-in. plants, $5.00 per 100.

The Conard & Jones Co., West Grove, Pa.

ROSE BUSHES.

FIELD-GROWN. OWN ROOTS. FIRST-CLASS PLANTS.

Many sorts being extra fine. Our Brides and Henriettes we might term "fancy" stock. Bride will run close to two feet, which is prime for that sort; Henriettes are heavy, running two to three feet Most Teas and H. T's will run close to two feet—some sorts larger, even, while a very few of the poorer growing sorts are not much over one foot. The Hybrids will of course average up heavier than tender varieties—all very fine. Leading varieties we can do in quantity, being especially heavy on such as Bride, Henriette, La France, Bon Silene, Brabrant, Soupert, Devoniensis, Safrano, Wootton, Carnot, White Rambler, etc. La France in grades from 7 to 9 cents: the 7 cent grade being about 12 to 15 inches high and woody. An average assortment of these plants will weigh in the neighborhood of 300 pounds to 1000 plants, packed light, not including weight of packing cases; while a selection of all heavy sorts will weigh more. This stock is freshly dug, grown in our virgin soil of Southern California, free from disease or insects and will give you and your trade satisfaction. We have sold thirty thousand Roses during the past sixty days, but have twenty-five thousand more which must be sold—hence extremely low prices appended. Prices will apply to not less than ten of a variety, properly packed, f. o. b. Los Angeles.

Bon Silene, Dinsmore, Duchess de Brabant, Duchess of Albany (rather light), Ft. Kruger, La France, Lady Penzance, Lord Penzance, Marie Ducher, Mignonette, Mme. G. Bruant, Marie Lambert, Mme. Bravy, Parquerette, Rainbow, Souv. de Wootton, Waban, White Bath, White Rambler, Devoniensis. **$7.00 per hundred.**

Alfred Colomb, Clothilde Soupert, Coquette de Lyon, Earl of Dufferin, Empress of China, Dr. Grill, Fisher Holmes, Homer, La France, Baroness de Rothschild, Belle Siebrecht, Bride, Beauty of Glazenwood, Captain Christy, Crimson Rambler, Gen. Jacqueminot, Gen. Washington, Hermosa, Jules Finger, John Hopper, Jas. Nabonnand, La Reine, Louis Van Houtte, M. P. Wilder, Margaret Dickson, Mrs. J. Laing, Paul Neyron, Prince C. de Rohan, R. M. Henriette, Safrano, Souv. du Pres. Carnot, Vis. Folkstone, White La France. **$7.50 per hundred.**

La France, Souv. de la Malmaison, Ulrich Brunner. **$9.00 per hundred.**

Isabella Sprunt, Catherine Mermet, Cecil Brunner, Duchess of Albany, X X X, Etoile de Lyon, Gloire de Dijon, Magna Charta, Mme. de Watteville, Papa Goutier, Perle, White La France, Yellow Rambler. **$10.00 per hundred.**

Cloth of Gold, Climbing Wootton, Climbing Safrano, Kaiserin, Testout, Mrs. Robt. Garrett Princess Bonnie, Gen. Robt. E. Lee. **$15.00 per hundred.**

Climbing Kaiserin, Maman Cochet, X X X. **$25.00 per hundred.**

Japanese Iris, $7.00 per 100. These are grown from plants of our own importation, and comprise the best varieties grown at Yokohama; they are field grown and handsomely rooted.

OWN ROOT PLANTS LEAD.

The only place in the United States where you can get good stock of own root, field-grown Roses in variety, including tender sorts. Shipments by freight must be prepaid here, and we require at least 25 per cent cash with orders; balance payable on arrival of stock. Less than 500 plants, cash with order A few hundred plants can be shipped by express, packed light, so that, considering our low prices, plants will not come very high laid down at most any point.

Come at us quickly and make sure of 'em.

THE HOWLAND NURSERY COMPANY, Los Angeles, Cal.

SPECIMEN SHRUBS AND TREES

At the closing of the Ribsam Nursery at Trenton, N. J., last fall, I bought at AUCTION the following rows, which I offer at the remarkable low prices named. The stock is extra fine, and must be moved this spring to clear the ground.

One row of 70	Thuja Globosa, 2½-ft. for		$ 35.00
" " 40	" Hovey's Golden, 2½-ft., for		30.00
" " 340	" Sibirica, 3 yrs., for		57.00
" " 386	" Pyramidalis, 1 to 1½-ft., for		60.00
" " 2000	California Privet, 1 to 2-ft., for		100.00
" " 100	Irish Juniper, 1½-3½-ft., for		12 00
" " 100	European Linden, 6-10-ft., for		10.00
" " 100	Norway Maple, 6-12-ft., for		12.00
" " 350	Horse Chesnut, 4 to 5-ft		35.00

This is a fine chance for nurserymen to get some of the finest stock ever grown a a remarkably low price. Nearly every plant is a perfect specimen.

F. S. ALLEN, SECRETARY WEST PARK BOARD, **Joliet, Ill.**

OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Suger, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

CLEMATIS PANICULATA & AMPELOPSIS VEITCHII

$40 to $70 per 1000. $35 to $50 per 1000.

We have the above in large quantities, 2 and 3 years old, fieldgrown.

Grasses at $2 per 100; Cal. Privet, $12 per 1000.

Stock for transplanting. Shrubs in large quantities cheap. Send for wholesale list.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

AMERICAN ELMS.

8 to 10 feet, 1 to 1½ inch caliper.

25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.

SEND FOR PRICE LIST.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Ampelopsis Veitchii, 2 yr. strong	Per 100	$ 7.00
Clematis Jackmanni, 2 yr. extra strong,	"	14.00
Standard Hydrangea P. G., 3—3½ ft.	"	18 00
" Lilacs, assorted, 3—4 ft.	"	10.00
" Japan Snowball, 3½—4 ft.	"	18.00

These prices are good only until surplus is reduced. SEND FOR LIST OF OTHER STOCK —Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Flatbush.

The third and final contest in the series between the New York, Hudson county and Flatbush florists' bowling teams came off on Thursday afternoon and evening, March 1, at the alleys of the Flatbush club. A goodly crowd of rooters accompanied each aggregation and the spectators' seats were filled to overflowing excepting when the occupants had business with the ice water with which the ice box in the corner was supplied and without counting J. Austin Shaw who kept score. Larry Hafner's time between spares was fully occupied in winding up Mike Hart, and Louis Schmutz was ready at all times to either extend sympathy or precipitate a cakewalk according to circumstances. Alex. Burns, being sick, was sadly missed but no doubt will be glad to know that it was possible for his team to win out without him and that Traendly was available to take his place as coach.

Following are the results of the engagement:

NEW YORK.

	1st	2d
Traendly	124	128
O'Mara	142	136
Hafner	123	166
Manda	110	151
Roehrs	145	159
Laug	163	166
	807	906
Total		1713

FLATBUSH.

	1st	2d
Riley	164	155
Rayuor	136	84
Schmutz	141	119
Prosser	118	112
Zeller	109	152
E. Dailledouze	150	124
	818	746
Total		1564

HUDSON COUNTY.

	1st	2d
M. Hansen	132	143
Kogge	111	120
Fisher	131	128
Hillebrecht	122	121
L. Hansen	121	96
Brown	121	140
	738	748
Total		1486

A review of the complete scores made in the tournament shows that Flatbush did its poorest work on its own alleys, while New York did its best on the Flatbush alleys. In the series with Flatbush last year the averages of the scores were, New York 140, Flatbush 136. This time New York averaged 139 and Flatbush 133, showing that New York has improved slightly since last season and that Flatbush has made a decided loss. The Hoboken aggregation was not "in it" at any stage. The trophy, paid for by the losing teams, jointly, is a set of six regulation balls and these the New York boys expect to use with terrible effect on all contestants that have the temerity to show up next August.

The contest settled, all adjourned to the Prospect Park Hotel where a luxurious repast was provided by the generous Flatbush hosts. Even the defeated ones were cheerful and jolly and the winners gallantly accepted Schwalback's explanation that the local representatives were too well bred to beat their visitors. Papa Zeller presided, as usual, and in his address of welcome congratulated everybody on their good behavior and extolled the social advantages of bowling teams in general. Capt. Traendly and Capt. Brown responded briefly and were followed by a number of other speakers and musical celebrities including Messrs. Butterfield and Schmutz the latter contributing a monologue in fourteen different languages concluding with the Marsiellaise in soprano alternated with bass. The introduction of Mr. LeMoult was the signal for a vociferous rendering of "On the Bowery" at the noisy end of the table. J. Ivera made a very witty speech and considerately refrained from weilding his broad axe.

GIVE US YOUR ORDER ON

Valley, Roses, Violets,

CARNATIONS, FANCY AMERICAN BEAUTIES, SMILAX, ASPARAGUS, NOVELTY PINK TULIPS, or ANYTHING ELSE IN THE FLOWER LINE.

HOLTON & HUNKEL CO., Milwaukee, Wis.

"HISTORY REPEATS ITSELF."

When George Washington threw that dollar across the Potomac river---he was throwing good money away.

YOU ARE DOING THE SAME THING---when you fail to consider the advantages we offer to buyers of Cut Flowers.

CAN YOU AFFORD IT?

E. C. AMLING,

32-34-36 Randolph St.,

WALTER S. HEFFRON, Mgr. ...CHICAGO, ILL.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

American Beauty, long.... per doz.	$5.00 to $6.00
" " medium "	3.00 to 4.00
" " short .. "	1.00 to 1.50
	Per 100
Bride, Maid, Meteor	$ 5.00 to $ 8.00
Perles	2.00 to 4.00
Carnations, fancy	3.00 to 4.00
" common	1.00 to 2.00
Callas and Harrisii	10.00 to 12.50
Tulips	2.00 to 3.00
Daffodils	2.00 to 3.00
Violets	.40 to 1.00
Smilax	10.00 to 15.00
Adiantum	1.00

CARNATION CUTTINGS.

	Per 100	Per 1000
G. H. Crane	$6.00	$50.00
Mrs. Geo. M. Bradt	5.00	40.00
White Cloud	4.00	30.00
Maceo	6.00	50.00
Gomez	5.00	40.00
Glacier	6.00	50.00
America	5.00	40.00
Gold Nugget	4.00	30.00
Mary Wood	3.00	25.00
Melba	5.00	40.00
New York	3.00	25.00
Mrs. James Dean	3.00	25.00
Mrs. Frances Joost	3.00	25.00
John Young	2.50	20.00
Cerise Queen	2.50	20.00
Jubilee	2.00	15.00
Flora Hill	2.00	15.00
Mayor Pingree	2.50	20.00
Triumph	2.50	20.00
Daybreak	2.00	15.00
Evelina	2.00	15.00
Wm. Scott	2.00	15.00
Albertini	2.50	20.00
Meteor	2.00	15.00
Argyle	2.00	15.00

Best Stock Always Shipped Unless Otherwise Ordered.

KENNICOTT BROS. CO., 42-44 East Randolph St., CHICAGO.

Carnation Cuttings.

MRS. LAWSON	$14.00
G. H. CRANE	5.00
AMERICA	3.00
MELBA	3.00
LESLIE PAUL	3.00
GOV. GRIGGS	3.00
MRS. BRADT	3.00
FRANCES JOOST	2.50
EVANSTON	2.50
JUBILEE	2.50
VICTOR	2.00
WHITE CLOUD	2.50
FLORA HILL	2.00
GOLD NUGGET	2.00
TRIUMPH	2.00
DAYBREAK	1.25
ARGYLE	1.25
ARMAZINDY	1.25
LIZZIE McGOWAN	1.00
EVELINIA	1.00
MAYOR PINGREE	1.00
WM. SCOTT	1.00
NIVEA	1.00
MORELLO	1.00

10 PER CENT. DISCOUNT ON THOUSAND LOTS.

ROSE CUTTINGS.

METEOR	per 100,	$1.50
BRIDESMAID	"	1.50
PERLE	"	1.50
BRIDE	"	1.50
GOLDEN GATE	"	2.50

Write for prices for large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG,
51 WABASH AVE., CHICAGO.

CARNATIONS.

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY.

G. H. Crane, Morning Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts.

Mrs. Geo. M. Bradt for March Delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for
Descriptive Price List.

F. Dorner & Sons Co.,
LAFAYETTE, IND.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McGowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

THE GREAT AND ONLY

EXCLUSIVE CARNATION SPECIALISTS.

CUTTINGS NOW READY.

	Cuttings. Per Doz.	Per 100	Per 1000.
Genevieve Lord, the peer of any light pink carnation offered	$2.00	$10.00	$75.00
Chicago, scarlet Bradt	1.50	7.50	60.00
Mrs. Lawson, cerise pink	3.00	14.00	120.00
Olympia, variegated	2.00	12 00	100.00
Ethel Crocker, pink	1.50	10.00	75.00
Marquis	2 00	10.00	75.00

	Cuttings. Per 100	Per 1000
Frances Joost pink	$2.50	$20.00
Mrs. Jas. Dean, pink	2.50	20.00
John Young, white	2.50	20.00
White Cloud, white	4.00	30.00
Mrs Bradt, variegated	5.00	40.00
Gen. Maceo, crimson	6 00	50.00
Gen. Gomez, crimson	6.00	50.00
G. H. Crane, scarlet	6 00	50.00
Gold Nugget, yellow	2.50	20.00

	Cuttings. Per 100	Per 1000
Argyle, carmine	$2.50	$20.00
Jubilee, scarlet	2.00	15.00
Armazindy, variegated	2.00	15.00
Evelina, white	2.00	15.00
Wm. Scott, pink	2.00	15.00
Victor, pink	2.00	15.00
Daybreak, light pink	2.00	15.00
Flora Hill, white	2.00	15.00

We have shipped 100,000 cuttings this season without a kick.

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50

	Per 100	Per 1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

LA FRANCE, BRIDESMAID, BRIDE, PERLE — 2½-inch plants from pots. Per 100, $3.50; per 1000, $30.00.

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00

	100	1000
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

ROOTED CUTTINGS OF NEW AND STANDARD

CARNATIONS

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Pa.

Please mention the American Florist when writing.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Brunswick, Ga.

This has been a very severe winter. Since the middle of December three heavy freezes have killed all outdoor stock and after each freeze we have had days warm enough to start the buds on many plants, only to have them frozen back in the next cold spell. Outdoor violets have been plentiful and have retailed as low as 20 cents to 25 cents per hundred, but outdoor narcissi have been a complete failure. A bed of Paper Whites in one place has only furnished eight flower stalks, while last season from the same bed the cut was over 2000 stalks. The same state of affairs is being reported from private gardens.

Carnations have been grown here in very limited quantities and with not a shadow of profit. Our soil is too sandy for good results from roses; yet with plenty of water and fertilizing some nice flowers are grown. Of late years the thrips have seriously injured roses and other flowers.

C. S. Tait has just completed an artesian well with a flow of 125 gallons per minute. He has on his place some fine specimen plants, palms, pandanuses and ferns. One Nephrolepis exaltata in a 16-inch pot stands three and one-half feet high, with a spread of seven feet. He has some seedling cannas which will be tested another season and the best ones will then be offered for sale.

SPOTTISWOOD.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. NORWOOD NURSERIES,
Rea Brothers. NORWOOD, MASS.

SMILAX FROM FLATS

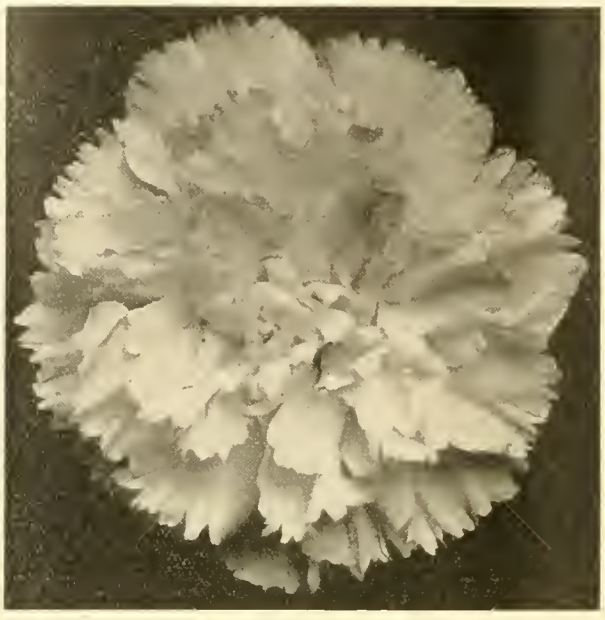
By mail, 50c per 100; $4 00 per 1000.
2-in. pots, $1.50 per 100; $13 00 per 1000.

Geraniums, 2-in. pots... $2 25 per 100; $20.00 per 1000.
Hydrangeas, 3-in. pots, $5 00 per 100; 4-in. pots, $10 00 per 100
Canna Clumps.....$3.00 per 100
Send for Samples. Cash with the order.
FRED BOERNER, Cape May City, N. J.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.
Please mention the American Florist when writing.

CHOICE GALAX, Green and Bronze, 50 cents per 1000.
CHOICE LEUCOTHOE, Bronze and Green, $1.75 per 1000. Orders from cold storage. Cash with order or satisfactory refereuces.
W. H. Williams Bro., Victoria, Macon Co., N. C.



PERU

A New Pure Glistening White
CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With 18.000 stock plants to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000.
Price list of standard vars. ready now. ALBERT M. HERR, Lancaster, Pa.

CARNATION CUTTINGS.

We have all the new and standard varieties.

Write for prices. WEILAND-RISCH FLORAL CO., Evanston, Ill.

THE BEST CARNATIONS.

	Per 100	Per 1000
White Cloud, the best white	$3.00	$25.00
Mrs. Joost, best clear pink	3.00	25.00
G. H. Crane, best new scarlet	6.00	50.00
Gen'l Maceo, best dark crimson	6.00	50.00
Mrs. Bradt, best variegated	4 00	35.00

12 Novelties of 1900. 27 the best Standard varieties. Send for complete list.
GEO. HANCOCK & SON, Grand Haven, Mich.

GERANIUMS ROOTED... CUTTINGS

For April delivery, mixed sorts unnamed, $1 50 per 100, delivered.
These are new and good sorts, no cheap kinds in the lot. Cash with order please.
40,000 CANE STAKES FOR SALE
C. S. TAIT, Brunswick, Ga.

CARNATIONS ROOTED CUTTINGS.

Crane $6 per 100, America $5 per 100, White Cloud $4 per 100, Jubilee $2 per 100, Scott, Daybreak, Victor, F. Hill, McGowan, Evelina, Genesee, Eldorado, $1.25 per 100, $10 per 1000.

ROSES, 2-in Pots, Select Stock.
Am. Beauties 5c, Perle 4c, Brides and Bridesmaids 3c. Send for list of other varieties.
WM. MURPHY, Station F, Cincinnati, O.

CARNATIONS Strong, well-rooted plants, from flats and soil.

Wm. Scott	Per 100	$2.00,	Per 1000	$15.00
Rose Queen	"	2.50,	"	20.00
Eldorado	"	2.00,	"	15.00
Lizzie McGowan	"	1.50,	"	12.00
Mrs. Fisher	"	1.50,	"	12.00
Portia	"	1.50,	"	12.00
Thos. Cartledge	"	2.50,	"	20.00

Our aim is to supply a superior quality of stock only. Cash with order.
W. T. & F. P. BUTZ, New Castle, Pa.

AZALEAS FOR EASTER.

Large specimen plants have all been sold, but we still have a good supply of the popular commercial sizes, 10 to 12 inch, and 13 to 15 inch crowns. While our supply of these is extensive, the indications now are that there will not be sufficient to last until Easter, and those who delay ordering may be disappointed in not having orders filled.

WE OFFER:	Per doz.	Per 100
5-inch pots, bushy crowns, 10 to 12 inches in diameter	$5.00	$40.00
6 " " " " 13 to 15 " " "	9.00	70.00

DECORATIVE PLANTS OF SPECIAL VALUE, SUITABLE FOR EASTER SALES.

ARECA LUTESCENS.

4 inch pots, 1 plant in pot,	15 to 18 inches high	$ 3.00 per doz.,	$ 25.00 per 100
5 " " 3 " "	18 to 20 " "	5.00 "	40.00 "

KENTIA BELMOREANA.

4-inch pots, 5 to 6 leaves,	15 inches high	4.50 "	35.00 "
5 " 5 to 6 "	22 to 24 inches high	12.00 "	100.00 "
6 " 6 "	24 to 26 " "	15.00 "	125.00 "
6 " 6 to 7 "	28 to 30 " "	18.00 "	150 00 "
6 " 7 "	30 to 36 " "	2.00 each,	24.00 pr. doz.

KENTIA FORSTERIANA. Made-up Plants.

Good specimens, 4 plants in a ten-inch pot, 36 inches high ..... $3.50 each
Good specimens, 4 plants in a ten-inch pot, 48 inches high ..... 5.00 each

KENTIA FORSTERIANA.

4-in. pots, 5 leaves,	15 to 18 inches high	$4.50 per doz.,	$35.00 per 100
6 " 6 "	24 to 30 " "	$1.00 each,	$12.00 per doz.
6 " 6 "	28 to 30 " "	1 25 "	15.00 "
6 " 6 "	30 " "	1.50 "	18.00 "
7 " 6 to 7 leaves,	30 to 36 inches high	2 00 "	24.00 "

Specimen Plants of KENTIA BELMOREANA and FORSTERIANA.
At $10, $15, $25, $35 and $50 each. For description see our current wholesale list.

LATANIA BORBONICA.

6-inch pots, 5 to 6 leaves, 18 inches high ..... $6 00 per doz.
6 inch pots, 6 to 7 leaves, 20 inches high ..... 9.00 per doz.

PHŒNIX CANARIENSIS.

7-inch pots, 30 inches high, bushy plants ..... $ 1.50 each
14-inch tubs, 5 to 6 feet, fine decorative plants ..... 10.00 each

PANDANUS VEITCHII.

6-inch pots, 15 to 18 inches high ..... $1.00 each

ADIANTUM CUNEATUM.

A grand lot of 5-inch pots ..... $2.00 per doz., $15.00 per 100

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Pink.

	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.

	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

Scarlet.

	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Bon Ton	2.00	15.00

Crimson.

Evanston	2.00	15.00

Variegated.

	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00

Yellow.

Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.

Argyle	$1.50	$12.00

ROSES.

	100	1000
American Beauties	$3.00	$25.00
Brides	1.50	12.50
Maids	1.50	12.50
Meteors	1.50	12.50

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

WELL-ROOTED

CARNATION CUTTINGS

Strictly First-class Stock from Our Own Greenhouses.

	Per 100
Wm. Scott, Edith Foster, Daybreak, Freedom,	$1 00
Mrs. Frances Joost	2.50
Flora Hill	1.50

Ready now. Orders booked for future delivery from sand or soil.

N. F. McCARTHY & CO.,

84 Hawley St., BOSTON, MASS.

MARY A. BAKER AND ANNA C. EASTBURN,

Two best white Carnations I have ever grown. Sandusky, Duke of York and Melba, $5 00 per 100, $40 00 per 1000. Empress and Wellesley, $2 50 per 100, $20.00 per 1000. Flora Hill and Mayor Pingree, $2.00 per 100, $15 00 per 1000. Scott, McGowan, Cartledge, Portia, Eldorado and Tidal Wave, $1 50 per 100, $12 00 per 1000. Also Giant Double Alyssum and Double Rudbeckia.

Send for Descriptive Price List.

LOUIS B. EASTBURN, Kennett Square, Pa.

10,000 STRONG ROOTED Carnation Cuttings

FRANCES JOOST	$2.00 per 100
GOLD NUGGET	2.00 per 100
MRS. GEO. BRADT	4.50 per 100
EVELINA	2.00 per 100
FLORA HILL	2.00 per 100
DAYBREAK	1.50 per 100

JOS. LABO, JOLIET, ILL.

THE IDEAL PINK CARNATION Genevieve Lord

Fills the bill. The ladies declare it is just right in color. We claim it has the best stem of any Carnation. That it will rank very near the top in size. That its odor is very sweet. That it is the most profitable Carnation we ever grew. That it has an individuality all its own. Customers recognize it at a glance. There is not a great deal left that is wanting in this variety. If you want to make money, plant it. But don't delay, for stock for delivery prior to March 20 is all sold. It is an easy, rapid grower, however, and the April and May deliveries will make large, fine plants. Some of the finest plants we have are from cuttings from sand planted in the field June 1st. Remember all sold until March 20th. If you wait too long the chances are that we will be sold out of stock. Make yourself safe by ordering at once.

PRICE
$2.00 per Dozen,
$10.00 per 100,
$75.00 per 1000.

H. WEBER & SONS,

OAKLAND, MD.

Our catalogue is now ready; in it are listed the above as well as all the new "big ones" at introducers' prices, all the best standard sorts, and a complete list of chrysanthemums, novelties and standard sorts.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Washington.

TRADE BRISK, STOCK GOOD AND PRICES FAIR.—EXCELLENT SWEET PEAS.—AN EEL MAKES TROUBLE.—NOTES.

Business is fair and stock is good but prices are about the same as last week. The higher grades of roses and carnations bring excellent returns. J. H. Small & Sons are handling as fine Blanche Ferry sweet peas as have been seen in Washington for some time, grown by Theo. Deitrich.

A. Gude & Bro. have had quite a time with their water supply. After spending some time trying to find the cause of the loss of flow they found a large eel jammed in the valve. They are shipping quantities of cut flowers to Florida and are getting good reports. P. G.

Grafted Roses A NO. 1 STOCK

ORDERS BOOKED NOW.

BRIDE, BRIDESMAID, GOLDEN GATE, KAISERIN, METEOR—2½-in. pots, $12.00 per 100, $90.00 per 1000.

Own Roots WOOD FROM GRAFTED STOCK ONLY.

BRIDE, BRIDESMAID, KAISERIN, METEOR, BON SILENE—2¼-in. pots, $3.50 per 100, $30.00 per 1000; 3-in., $6.00 per 100, $50.00 per 1000.

GOLDEN GATE, AM. BEAUTY—2¼-in. pots, $4.00 per 100; 3-in., $7.00 per 100.

S. J. REUTER, Westerly, R. I.

Please mention the American Florist when writing

Manetti Stocks

...FOR GRAFTING.

We can still offer a limited number of Manetti stocks for grafting, of good quality.

In lots of 1000.....$12.00 per 1000
" 2500..... 10.00 per 1000
" 5000..... 9 00 per 1000

HENRY A. DREER, 714 Chestnut St., Phila.

Liberty Orders received for April and May delivery.

All winter forcing Roses from 2½-in. pots.

WRITE FOR PRICES.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Please mention the American Florist when writing.

FOR SALE

Two thousand BRIDES and two thousand BRIDESMAIDS in 2½ in. pots, now ready.

Price $3.00 per 100.

JOHN L. WYLAND, - - DeHaven, Pa.

Following **ROSES**

in 2 and 2½-inch pots, now ready to ship.

Perles, Woottons, Kaiserins, Maids, Beauties.

Those in 2½-in. have been shifted from 2s and are about ready for 3s.

A special in BOSTON FERNS in 5-in. pots. Write

GEO. A. KUHL, Pekin, Ill.

Dormant Roses For Potting Up Now, For Easter Flowering.

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes	Doz., $ 3.00	
3 year old Own roots stock, 4 ft. canes	100, 20.00	
2 year old Budded stock, 3 ft. canes	Doz., $2.00	100, $15.00
American Beauty 2 year budded	100, $15.00	
Kaiserin A. Victoria, 2 year budded	" 15.00	
Mad. Caroline Testout, 2 year budded	" 15.00	
Hermosa, extra strong Holland grown 2 year Own roots	100, $13.00	
Hermosa, Own roots French grown	" 8.00	
Clothilde Soupert, 2 year field grown	" 10.00	

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jacq. — John Hopper. — Baron Bonstetten. — Paul Neyron.
Coquette des Alpes. — Mad. G. Luizet. — Anne de Diesbach. — Magna Charta.
Ulrich Brunner — Prince C. de Rohan.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild. — Mad. G. Luizet. — Malmaison. — La France.
Gloire Lyonnaise. — Mrs. John Laing. — Fisher Holmes. — Coquette des Alpes.
Marie Baumann. — Prince C. de Rohan. — John Hopper. — Giant of Battles.
Paul Neyron. — Capt. Christy. — Mad. Chas. Wood. — Gen. Washington.
Boule de Neige. — Anne de Diesbach — Perle des Blanches. — Mabel Morrison.
Baron Bonstetten. — Magna Charta — Gen. Jacq. — Marshall P. Wilder.
Ulrich Brunner.

RHODODENDRONS. For Easter forcing. Extra large plants 12 to 20 buds, John Walters, Kate Walters, Mad. Cravalho and Prince C. de Rohan, Each, $1.25. doz., $12.00.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

American Beauties

$3 per 100; $25 per 1000.

	Per 100	Per 1000
BRIDES	$1.50	$12.50
METEORS	1.50	12.50
BRIDESMAIDS	1.50	12.50
PERLES	1.50	12.50

THESE are strong rooted cuttings; in fact we have never had so good success with rose cuttings as we are having this year. All stock is guaranteed, all orders are carelully filled and well packed. Write for special prices on 5000 lots.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

50,000 **MANETTI.** 50,000

I have some very fine Irish and English Manetti Stocks on hand for inside grafting and can make immediate delivery.

$12.00 PER 1000.
Price for quantity on application.

HARRY A. BUNYARD,
42 West 28th Street, NEW YORK.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. ...The American Florist.

HEACOCK'S PALMS.

Choice ARECA LUTESCENS, KENTIA BELMOREANA and LATANIA BORBONICA.

All perfect and symmetrical plants, alike on all sides, with every leaf perfect from the pot up. Grown especially for the decorator. They are as good, if not better, than any I have offered before. Prices are as follows:

Areca Lutescens.

	Each.
9 inch pot, very bushy, 5 feet high	$ 5.00
12-inch pot, very bushy, 6 feet high	$10.00 to 15.00
14-inch pot, very bushy, 6 to 7 feet high	20.00
15-inch pot, very bushy, 7 to 8 feet high	25.00

Kentia Belmoreana.

	Per Doz.	Per 100
3-inch pots, 4 to 5 leaves, 10 to 12 in. high	$3.00	$25.00
4-inch pots, 5 to 6 leaves, 15 to 18 in. high	6.00	50.00
6-inch pots, 6 leaves, 20 to 24 in. high	18.00	150.00

Latania Borbonica.

	Each.
8-inch pot, 8 leaves, 24 in. high by 36 in. wide	$1.50
10-inch pots, 9 to 10 leaves, 30 to 36 in. high by 42 in. wide	4.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. A TRIAL ORDER IS SOLICITED.

JOSEPH HEACOCK, Wyncote, Pa.

THE AMERICAN FLORIST COMPANY'S

TRADE DIRECTORY

FOR 1900

IS NOW READY FOR DELIVERY.

The lists of FLORISTS, NURSERYMEN and SEEDSMEN of the United States and Canada, arranged both by States and Towns and alphabetically, are corrected up to date, and in addition there are the following valuable and absolutely

NEW FEATURES:

GARDENERS OR SUPERINTENDENTS OF PRIVATE ESTATES,
EXPERIMENT STATION HORTICULTURISTS,
HORTICULTURAL SUPPLY CONCERNS, & & LANDSCAPE ARCHITECTS.

This indispensable volume of 387 pages, strongly bound in boards, is delivered post paid upon receipt of $2.00.

AMERICAN FLORIST CO.,

324 Dearborn St. *CHICAGO, ILL., U. S. A.*

Pittsburg.

TRADE HOLDS GOOD.—MUCH FUNERAL WORK.—LUDWIGS MAKE GOOD DISPLAYS.—BUSINESS AT LIBERTY MARKET.—NOTES.

The Lenten season is now here and naturally there is a falling off of orders for social affairs but funeral work is on the increase and prices still hold firm. At Allegheny market they are making fine displays of cut flowers, particularly in the stocks of the two Ludwig firms, who have many varieties of choice carnations. The market supplies not only the people of Allegheny but many Pittsburgers and even East End people go there to make their floral purchases.

The East Liberty market experienced quite a boom during the three weeks of the food fair. Mr. Welfer and Chas. T. Seibert, who have stands in the market, express themselves well satisfied with the business.

At the last meeting of the Florists' Club, March 8, arrangements were made for a "smoker."

Superintendent Wm. Falconer, of Schenley Park, has returned from his western trip.

Oscar Hyde lost a greenhouse and its contents by fire during the cold spell.

G. O.

KINGSTON, N. Y.—John McVey has opened a branch store on Broadway.

RICHMOND, IND.—Mrs. E. T. Grave says that because she will double her range of glass this year she is buying a great many carnation cuttings, but that she will use, as far as possible, cuttings from her own stock.

DAHLIAS!!!

The cream of the lists. Our stock includes the well-tried, desirable, older varieties, as well as the latest acquisitions. Booking orders now. Be quick. Undivided roots in variety.

$60 per Thousand.

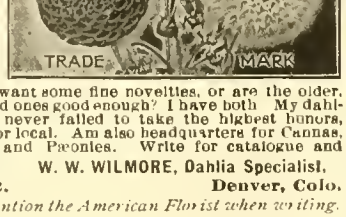
Our semi-annual trade list now ready.

The WM. H. MOON Co.

Glenwood Nurseries,

MORRISVILLE, PENN.

DAHLIAS



Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well-tested ones good enough? I have both. My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Peonies. Write for catalogue and price list

W. W. WILMORE, Dahlia Specialist,

Box 382. Denver, Colo.

Please mention the American Florist when writing.

ROOTED CUTTINGS

Verbenas, 40 named varieties, 60c per 100, $5.00 per 1000. Petunias, 30 named dbl. var., $1.25 per 100. Heliotrope, 15 named varieties, $1.00 per 100. Coleus, 30 named varieties, 70c per 100, $6.00 per 1000. Ageratums, 3 var. with P. Paulina, 70c per 100. Alyssum, dbl., $1.00 per 100. Lantanas, 4 var., $1.25 per 100. Salvias, 3 var., $1.00 per 100. Fuchsias in variety, $1.50 per 100. All cuttings guaranteed. Express paid.

CASH WITH ORDERS. Write

S. D. BRANT, Clay Center, Kansas.

ROSES, CLEMATIS, RHODODENDRONS, ETC.

ROSES, Strong 2 Year Field Grown.

	Per 100
Crimson Ramblers with 4 to 5 feet canes,	$15.00
Crimson Ramblers, 2d size, 2 to 3 feet canes	8.00
Yellow Rambler, two years	8.00
Hybrid Perpetual, in fine assortment	10.00
Wichuriana, Japan creeping Rose	6.00
Wichuriana Hybrids, 4 varieties	8.00
Tree Roses, fine heads	36.00
Liberty, new red forcing Rose, from 2½-in. pots, 12 plants at 60c each, 25 at 50c each, 50 at 30c each, 100 at 25c each.	
General assortment of Everblooming Roses from 2½-in. pots, $3.00 per 100, $25 per 1000.	

CARNATIONS, Rooted Cuttings.

Mrs. Thomas Lawson, $14.00 per 100. Ethel Crocker, $10 per 100. The Marquis, $10.00 per 100. Olympia, $12.00 per 100.

RHODODENDRONS.

Large stock of best hardy varieties 15 inches to 3 feet high, clean bright foliage and well set with buds, $45.00 to $150.00 per 100.

CLEMATIS.

Jackmanii, Henryi, Duchess of Edinburg, Ramona, and other large flowered varieties, strong two year plants, $20.00 per 100; strong three years $25.00 per 100.

AZALEA MOLLIS.

Strong, bushy plants well set with flower buds, $35.00 per 100.

Hydrangea Paniculata Grendiflora.

2½ to 3 feet, $10.00 per 100; tree form, 4 to 5 feet high, $25.00 per 100.

Fruit and Ornamental Trees, Shrubs, etc., in large assortment.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

300,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. WAVERLEY, MASS.

FINE, STOCKY PLANTS.

	Per 100
Alternanthera, yellow, $1.75, red	$2.00
Oxalis Floribunda, fine for baskets	2.00
Coleus, mixed var., 2-in. pots	2.00
Geranium, my selection, 2 and 2½-in. pots	3.00
" " " 3-in. pots	4.00
Double Petunia, mix. var., 2½-in. pots	3.00
Verbenas, good var., 2-in. pots	2.00
Centaurea Gymnocarpa, 2-in. pots	2.00
Carnations, 2-in. pots, 5 var.	3.00
Pansy plants in bud, cold frame	1.50

—CASH PLEASE—

JOS. H. CUNNINGHAM

DELAWARE, O.

Please mention the American Florist when writing.

ROSES and VIOLETS

Well established plants, from 2½-in. pots.

BRIDES	Per 100	$4.00,	Per 1000	$35.00
BRIDESMAIDS	"	4.00,	"	35.00
METEORS	"	4.00,	"	35.00
PERLES	"	4.00,	"	35.00
AM. BEAUTY	"	6.00,	"	50.00
MORGANS	"	6.00,	"	50.00

VIOLETS, Princess of Wales, the only violet to grow, strong plants from flats, 100, $2, 1000, $18.

CASH WITH ORDER.

W. T. & F. P. BUTZ, New Castle, Pa.

GERANIUMS. A few thousand left, in 2½-in. pots, at $30 per 1000; $3.25 per 100: S. A. Nutt, LaFavorite, Richard Brett, Marguerite de Loys, Mrs. Jas. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson and Rose Geranium. Also Rose Geranium cuttings at $2 per 100.

Mme. Salleroi Ceraniums in soil, $1.50 per 100; $12.00 per M.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in. pots $1.25 100.

ACERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾-in. pots, $1.50 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1.25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot, $1.50 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS $1.50 per 100; 2½-in. pots, $2.50 per 100.

FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2.00 per 100.

VINCAS, $1.25 per 100; 4-in. pots, $8.00 per 100, $70.00 per M. Fine plants.

The above are rooted cuttings, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

Pteris Deweyana.

A most desirable new fern, now offered for the first time by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds, erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts; hard, and grows very freely from spores.

12 Fine Plants, 3 inch pots	$ 3.00
100 " " " "	20.00
12 Good Plants, 2 inch pots	2.00
100 " " " "	15.00

Six latter mailed, $1. With balls of roots undisturbed.

JOHN H. LEY,

GOOD HOPE. WASHINGTON, D. C.

CYCLAMEN PERSICUM GIGANTEUM,

In the various colors and shades.

Plants are in healthy condition, $5.00 per 100; $40.00 per 1000.

Money Order Office Chestnut Hill, Phila.

EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA.

ROOTED CUTTINGS. .....USUAL PRICES.

COLEUS—Verschaffeltii, Golden Queen, mixed. HELIOTROPE, DOUBLE PETUNIAS, SALVIAS, ETC. ALTERNANTHERA, four kinds.

L. H. FOSTER, 45 King Street, Dorchester, Mass.

New Ever-Blooming Geranium

AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gloire de Lorraine.

Floriferousness Phenomenal

Strong plants, 50c each; $5.00 per doz.

MARS 2¼-inch pots. $5.00 per hundred

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden Southey, etc., for $2.00. One America free with each set. Plants guaranteed A1 in every respect. CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa.

Nephrolepis Exaltata Bostoniensis...

THE CELEBRATED BOSTON FERN,

Orders booked for small plants for April delivery, at $5 per 100; $40 per 1000.

A few of the larger sizes on hand for immediate delivery.

EDWIN LONSDALE,

P. O. Address for the time being:

Money Order office same as heretofore, Chestnut Hill (Sta. H.) Phila., Pa. WYNDMOOR, Montgomery Co., PA.

Please mention the American Florist when writing

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

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HEADQUARTERS FOR

Palms & Ferns.

Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.

Write for Price List. **J. B. HEISS,**

The Exotic Nurseries, **DAYTON, OHIO.**

Asparagus Sprengerii.

Extra fine Stock from 3-in. pots, ready for a shift. $8.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

PRIMULAS AND VINCAS, ETC. Per 100

4-inch pot Vinca Vines	$6.00
3-inch pot Vinca Vines	4.00
2-inch pot Vinca Vines	2.50
Rooted Cuttings Vinca Vines, from flats	1.50
2-in. pot Primrose, in bud and bloom, ready to repot	2.00
2-in. pot Smilax	2.00

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 Slate St., Watertown, N. Y.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

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GERANIUMS. Alphonse Ricard, Poitevine, Pres. Dubois, J. D Cabos, Prof. Poirault, Mme. Jaulin, E. G. Hill, Louis Fages, Chaplin, LaFavorite, Nutt, Raspail Improved, John Doyle, etc., 2½-inch, $3.00 per 100 **STOCKS Ten Weeks,** German, white or mixed, 2¼-inch $1.50 per 100. Shellroad Greenhouse Co., GRANGE P. O., Baltimore, Md.

CHRYSANTHEMUMS

Hardy Pompons.

Anna Mary, creamy white.
Aglaia, light yellow.
Bridesmaid, clear soft pink.
Ben Hur, very small pink.
Bob, delicate pink.
Blushing Bride, early light pink.
Climax, deep rosy pink.
Chivver, small white.
Dinizuln, deep pink.
Eleganta, deep pink, white tip.
Eagle d'Or, good yellow.
Euphrosyne, pink.
Edna, pink, light center.
Flag of Truce, large full white.
Fairy Queen, white, pink tip.
Fred Peele, small, light pink.
Fire Ball, yellow tipped red.
Golden Fleece, large lemon yellow.
Globe d'Or, light yellow.
Golden Pheasant, golden yellow.
Gold Standard, fine yellow.
Gold Nugget, deep orange.
Goldfinch, yellow shading bronze.
Ivanhoe, deep pink tipped white.
Julie Lagravere, dark bronze.
Jack, small light pink.
Kadar, brown, yellow center.
Labanah, tall white.
L'Ami Conderschlerdt, small white.
La Purete, white.
Little Pet, rose.
Ladysmith, rosy lake.
Maid of Kent, white.
Mr. Schmidt, small yellow.
Mrs. Vincent, large deep rosy pink.
Nellie Rainsford, light bronze.
Naomi, delicate blush.
Nellie Bly, light pink.
Oom Paul, rosy lake.
Princess Louise, bronze.
President, dark pink.
Prince of Wales, best white.
Psyche, pale pink.
Queen of Bul, tall deep pink.
Rosamundi, bright rosy pink.
Regulus, deep bronze.
Rosinante, late pink.
Richard Franklyn, large pink, white tip.
Rhoda, delicate pink.
Sheshar, vermilion yellow.
Sunlight, light bronze.
Souv. McLain, good white.
Tisri, deep pink.
Tiber, early yellow.
Thalia, fine white.
Thos. Long, light pink tipped white.
Victor, very deep pink.
Veuve Cliquot, early yellow.
Yellow Queen, lemon yellow.
Zof, white tipped pink.

FROM 2½-INCH POTS, $2.00 PER 100, YOUR SELECTION. CASH WITH ORDER.

R. VINCENT, JR., & SON, WHITE MARSH, MD.

New Chrysanthemums FOR 1900.

BONITA. Beautiful deep golden orange; a hold, handsome flower with good stem and foliage; 50 cts. each; $4.50 per doz.; $30 per 100.

EULALIE. The best Anemone ever introduced for cut flowers; extra good stem and foliage. 60 cts. each; $5 per doz.; $35 per 100.

LUCIOLE. A combination of pink cerise and lavender; a grand exhibition variety. 50 cts. each; $4.50 per doz.; $25 per 100.

SOUCI. Beautiful clear yellow; form and color of Modesto, but superior in every way. 50 cts. each; $4.50 per doz ; $30 per 100.

WINONA. White base veined with clear pink; a grand commercial variety. 50 cts. each; $4.50 per doz.; $30 per 100.

Also grand NEW SET of EARLY POMPONES; 12 varieties, 1 of each for $2.25.

All the new varieties of other raisers at advertised rates.

JOHN N. MAY, Summit, New Jersey.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flathush, Brooklyn, N. Y., and H. A. MOLATSCH, 681h St., bet. 8th & 9th Avenues, Brooklyn, N. Y.

VIOLETS,

MARIE LOUISE and PRINCESS OF WALES

Select Rooted Runners from our Choice Stock.

Corbett & Wilson always take 1st prize at all Cincinnati monthly exhibits, and refer you to any Cincinnati florist for quality and quantity of our pick. For price, etc., write

CORBETT & WILSON, Station K, Cincinnati.

Please mention the American Florist when writing.

CHRYSANTHEMUMS

Yellow Queen, Mrs. Robinson G Kalb, Merry Monarch, Maj. Bonnaffon, Lager, Golden Trophy, Ivory, Lady Playfair, R. C., 100, $1.00; 1000, $9.00; clumps, 100, $4.00. **BEGONIA** Rex, fine mixed R. C., 100, $1.50. **VINCA VAR** field clumps, 100, $4.00; 2-in. pots, $1.50. **AGERATUM,** dwarf or tall, 2-in. pots, 100, $1.50 cash.

H. DANN & SON, Westfield, N. Y.

Please mention the American Florist when writing.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

Please mention the American Florist when writing.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. **THE AMERICAN FLORIST.**

Newport, R. I.

The Newport Horticultural Society has voted to hold a rose and strawberry show in June.

Richard Gardner, formerly manager with the Newport Nursery Co., is now employed growing plants for the estate of J. J. Van Alan.

A fire company known as Number Three, organized for the better protection of summer residences, its member being nearly all gardeners, gave a house warming recently in the new building given to them by the city. Among those present were many prominent citizens, including the mayor. At the conclusion of the speechmaking the guests were served with a bountiful supper. The menu was as follows:

Tomato Pisque a la Number Threes.
Roast Turkey from Coggeshal Avenue Farms.
Mashed Potatoes from Bellevue Avenue Fire Hydrants.
Stewed Onions a la Esplanade.
Turkey Stuffing from Lime Rock.
Ice Cream with Quick Hitch Up Forms.
R. I. Avenue Hot Coffee.
Cigars of Cliff Brand.

The roster of Number Three Hose Company is as follows:

Foreman—John T. Allan.

Assistant Foreman—B. M. Anthony.

Hosemen—Andrew S. Meikle, William H. Maher, John H. Murphy, Thomas J. Murphy, William A. Maher, Charles Burns, Patrick Reynolds, John H. Glynn, Henry C. Hogan and James Porter.

Substitutes—John Hammond and Alexander Frazer.

Driver—Daniel J. Congdon. J. J. B.

DUNKIRK, N. Y.—Th. F. Vander Meulen has just completed new houses which give him 6,000 feet of glass.

...SPECIAL...
ROOTED CUTTINGS.

Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards. $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000.

50,000 Verbenas. 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000. Strong, 2-in., $2.00 per 100; $18.00 per 1000; full of Cuttings, elegant stuff.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

Alyssum, strong 2-inch, 2 cents.

Geraniums, sweet-scented, strong 2½-inch 2¼ cents; strong 2-inch, 2 cents.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.00 per 100.

Fuchsias, best sorts, $1.50 per 100. Vinca Major, $1.00 per 100.

Smilax, strong, 2½-inch, $1.50 per 100; 2-inch, $1.00 per 100; $8.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1.00 per 100.

Heliotrope, the choicest blue and white, rooted cuttings, $1 00 per 100.

Coleus, choicest varieties, rooted cuttings, 75 cents per 100.

Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

FORGET-ME-NOT, winter blooming, from flats, $1.50; 2¼-in. $2.00; 2½ in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100.

	Per 100
PARIS DAISY, white, R. C. $1.00; flats	$1.50
DOUBLE ALYSSUM. R. C. $1.00; flats	1.50
VARIEGATED VINCAS, from flats	1.50

All plants in flats strong and well established, ready for 2½ or 3-inch pots Cash with order, please

CHARLES S. DUTTON,
85 West 12th Street, HOLLAND, MICH.

200,000 ROOTED CUTTINGS AND PLANTS FOR PROMPT SHIPMENT.

We guarantee R. C. and Plants to reach you in a healthy condition If not so, return at our expense. The spring is coming. If you do not have time to get a money order of any kind have plants sent C. O. D., with privilege of exchanging at express office. R. C. Carnations by mail, add 20c per 100.

☞ EARLY ORDERS GET THE BEST STOCK.	Per 100
Mrs. Thos. W. Lawson	$14 00
Ethel Crocker, pink	10.00
Olympia, variegated	12.00
The Marquis, pink	10.00
Genevieve Lord, pink	10.00
G. H. Crane, scarlet	5.00
America, scarlet	4.00
Melba, light pink	3 00
Mrs. G. Bradt, variegated	3 00
Glacier, white, fine	3 00
Maud Adams, dark pink	3.00
Gomez, dark red	4 00
Mrs. F. Joost, pink	2.50
Gold Nugget, yellow	3 00
Argyle, pink, fine	1.50
Triumph, pink	1.50
Daybreak, shell pink	1 00
Empress, dark red	1 00
Flora Hill, white	1.25
White Cloud, white	2.50
Mary Wood, white, fine	3.00
Jubilee, scarlet	1.50
Psyche, variegated	1.00
Gen. Maceo	4 00
Armazindy	1 50

12 cuttings at 100 rate.

	Per 100
Clara Bedman Salvia	$2.00
Geranium De Roo Mitting, 2¼-inch	7 00
" Double Snow Drop, "	7 00
" Mme. Salleroi, "	2 00
New Yellow Baby Primrose, "	7.00
22 Coleus, fine, named, new, "	4.00
20 Standard Coleus, named, "	1.50
30 Double Petunias, mixed, "	2.00
Primula Obconica, 3½-inch	2.50
" " 2¼-inch	2.00
" Chinese, 2¼ inch	1.00
" " in bud and bloom, 3½-in.	2 50
Primulas, from flats, strong	.50
Velvet Plant	2.00
15 Begonias, flowering, named, 2¼-inch	1.50
Forget-Me-Not, winter flowering, 2¼-inch	1.50
Iresines, 2 varieties, red and yellow, 2¼-inch	1.50
Cannas, large flowering, mixed	1 00
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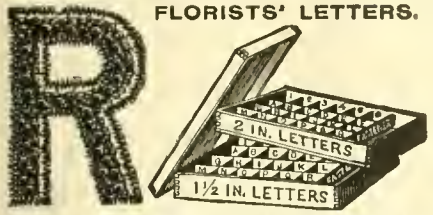

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The Westchester County Gardeners' Association held its monthly meeting on February 24, President Shore presiding. Messrs. Fremd, Williamson, Anderson, Smith and Duncan were appointed executive committee for the present year. There was an excellent display of carnations on the tables. Geo. M. Hay captured the prize for the best collection, in which he had some sixty blooms in ten varieties. Mr. Hay was also first for best eighteen and Wm. Anderson second. Joseph Dexter was awarded a special prize for his collection of California varieties. These were certainly a revelation in carnation growing. For size of flower and rigidity of stem they have seldom been equalled in this section. The varieties were Iris Miller, Grace Runyon, Leslie Paul, Helen Dean and John Carbone. Very noticeable was the large vase of Olympia exhibited by John N. May.

Robert Williamson exhibited a collection of vegetables. Other exhibits included cinerarias by John Fraser, anthurium seedlings by Geo. Draycott and carnation seedlings by John Harper. The prizes included some beautiful glass vases, the gifts of Frederick Fremd, of Rye Nurseries.

This was the first of a series of monthly exhibitions and if the good work goes on every meeting will prove a gala night for the gardeners of Westchester county.

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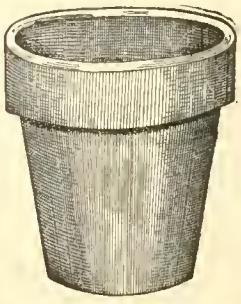

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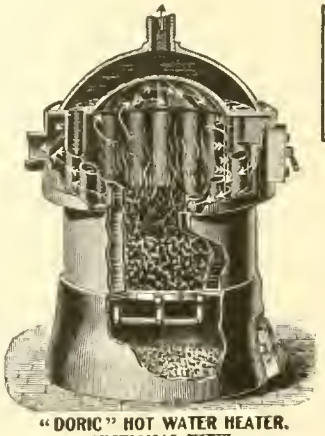

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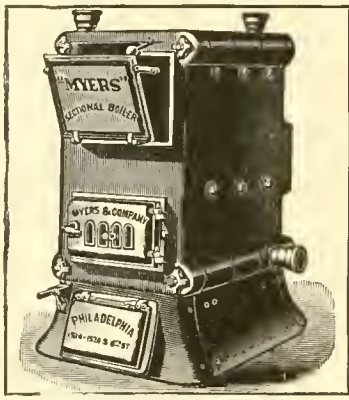

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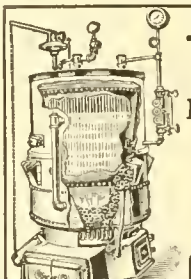

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AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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CHRYSANTHEMUMS.

CHRYSANTHEMUM SPORTS.

In our issue of January 13 comment was made on a chrysanthemum sport as follows:

Wm. Gallagher, of Little Rock, Ark., has sent us an excellent chrysanthemum bloom (for this season of the year) claiming that it is a sport of Wm. H. Chadwick. This hardly seems possible, the latter being a distinctly incurved variety, while Mr. Gallagher's flower is as distinctly reflexed. The flower, however, is good and of a pale pinkish tint.

This awakened some interest in the subject of sports generally, but very little information of a definite character was forthcoming. Our correspondent "E. L." wrote us in the matter, and his observations, herewith reproduced, appeared February 3:

I note what is said on page 698 in the AMERICAN FLORIST of January 13 respecting a sport from a chrysanthemum, and that you take exception to the statement of the owner thereof, namely, William Gallagher, Little Rock, Ark., that it is a sport from the variety W. H. Chadwick. Your comment to the effect—"This hardly seems possible, the latter being a distinctly incurved variety, while Mr. Gallagher's flower is as distinctly reflexed"—is likely to provoke further observations, for instance: It is supposed from said editorial comment that Dame Nature when in a sportive mood confines her predisposition to variation to change in color of the flower only, but such may not always prove to be the case. There is no known reason why she should not change the form as well as the color of the flower. We have many evidences where dwarf varieties in growth have been secured from different cultivated plants, and also some with larger or stronger growing tendencies, as Climbing Kaiserin, among roses, and drooping or the so-called weeping, among deciduous trees and evergreens. All these, and others which might be mentioned, being facts, then why should not the statement as made by Mr. Gallagher be true?

The attention of some chrysanthemum experts was then directed to the question, and a number of these kindly replied, the following being a fair representation of the opinions submitted:

I doubt if there could be a change in form. I have never seen any other than a color sport but I have noticed some of the incurved of the Queen of England type become reflexed when grown as specimen plants, but stock from these would again produce properly incurved blooms when grown to a single stem.

T. D. HATFIELD.

I am unable at present to recall any case in which a chrysanthemum has sported in color and at the same time taken on a decided change of form. The variety Wm. H. Chadwick, from certain buds and under certain cultural conditions, loses very much of its incurved form and might possibly be almost entirely reflexed. The chrysanthemum Harry Balsley, which is ordinarily a very ragged bloom, assumed with us one season an almost perfectly regular incurved form through a whole bench, so much so that we had considerable difficulty in convincing the originator, Elmer D. Smith, that it was not some other variety. We afterward failed to get another such flower, however, from the same stock. It would be a rash man who would say that Mr. Gallagher's variety is not a true sport; but if, under other conditions, the variety uniformly retains a decidedly reflexed form, there will be room for an honest doubt.

W. N. RUDD.

Referring to the statement by Mr. Gallagher and the comment by "E. L.," the argument brought forward does not establish the fact that the shape or form of the flower of any plant is materially changed, notwithstanding the form and growth of the plant may be and often is radically changed. For instance, the flowers of the Climbing Kaiserin Augusta Victoria are practically the same form as those on the original plant. The flowers of any drooping or so called weeping trees are invariably similar to those of the original plant from which the sport sprang, at least this has been the case in those I have had the opportunity to examine closely. In my experience with chrysanthemum sports, of which I have had several at various times, the most marked difference I have ever seen is in the variety Chempwec, a sport from Silver Cloud. The parent is a flesh shaded salmon, loose graceful reflexed, the lower petals falling nearly back to the stem. Chempwec is a bright golden yellow reflexed but not as pronounced as its parent, though I hardly think anyone could decide that its form was distinct enough to class as anything but a reflexed, the only difference being that the petals appear to have a little more substance, consequently stand a little firmer than in the parent, and the stem is somewhat stiffer also. In Mr. Gallagher's sport the form of the flower is distinctly changed; this being the first instance of which I can remember, it would be very interesting if any of your readers could give us any account of any chrysanthemum having sported in this way in the past.

JOHN N. MAY.

It should be noted that none of the foregoing affords much light as to sports the flowers of which differ in form, decidedly and permanently, from those of the parent plants. We have carefully examined the literature of chrysanthemum

sports at hand, but so far have been unable to locate a single case in which the flowers changed to this extent, although it has been frequently noted that the character of the plant as to vigor may be changed in sports. Exact information on the subject would be of some value to growers and we shall therefore be pleased to learn of any additional facts which may have come to the notice of others.

VIOLETS.

TROUBLE WITH MARIE LOUISE.

ED. AM. FLORIST:—I send you under separate cover some plants of Marie Louise violet and a portion of the soil in which they were growing, hoping you may be able to assist me in determining what is wrong. The soil is composed of well rotted sod and about one-third good, clean cow manure and is the same as we use for roses and carnations with splendid success. It was heated thoroughly with live steam to a temperature of 200°, as last year we had an idea that eel worms might have caused the mischief, having found some galls on the roots. We planted young stock, which had every appearance of being healthy, (having been rooted in fresh sand and then potted in sterilized soil) into solid beds, eight inches of soil, well drained with cobble stones underneath a layer of ashes, early in June. They grew fairly well until the latter part of September; since then they have been going from bad to worse and now are in the condition of samples. The sash was kept on the house all summer but our arrangement of ventilation allows us to open every other sash on the back of the house about three and one-half feet, and we put on very slight shading. The plants have had good care, with a night temperature of 40° since we started firing and plenty of ventilation during the daytime. The house is new, with cement walls and dry atmosphere, in fact every advantage that we could give the plants, and still year after year they act the same way. We succeed splendidly with Princess of Wales planted in the same soil and same house. We have purchased new stock each year as healthy as we could find and from growers that have been successful with them. You may find slight traces of aphis on the sample but this has come on during the last ten days, as we have thrown out one-half of the violets, running that part of the house warmer for carnation cuttings. We have been determined in our efforts to grow double violets and have spared no expense during the past three years, but we are nearly discouraged now and come to you with our hard luck story. We have lost 3,000 plants this year. IGNORAMUS.

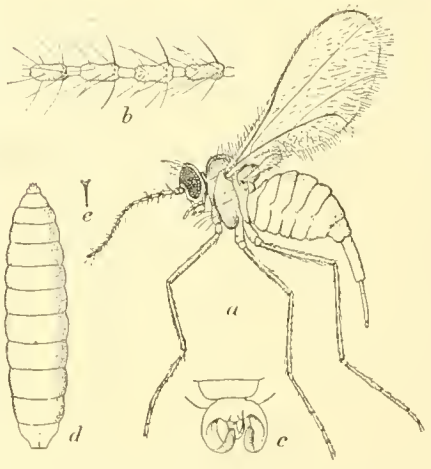
The diseased violet plants of your correspondent, "Ignoramus," have been received and carefully examined. We find that the roots of all the specimens are well developed and do not appear to be at all diseased, which indicates that the soil conditions are good. We find no evidence whatever of any fungus and therefore are at a loss to account for the peculiar development, except on the theory that the primary injury was produced by black aphis several months ago. Some of these insects are still present on the plants, and it takes very few of them to check growth in such a way as to cause the plants to continue to produce curled, malformed leaves. At any other season of the year such injury might not have been so appreciable, but during the winter, when vitality is at a low ebb, it does not require much of a check to start a violet plant going the wrong way. It is probable that as warm weather comes on the plants in question will show recovery, but it must be remembered that if they are not kept free from aphis they will not prove of much value.

B. T. GALLOWAY.

A NEW VIOLET PEST.

The United States Department of Agriculture, in bulletin No. 22 of the new series, gives the following data upon the authority of D. W. Coquillett:

In Europe, two different species of cecidomyia attack cultivated and wild violets—the one, Cecidomyia violœ of Franz Löw, dwarfing the entire plant and causing it to assume the form of a rosette through the working of the larvæ at the bases of the short sessile leaves; the second species, the Cecidomyia affinis of Kieffer, folds and distorts the young leaves and unopened blossoms. It is somewhat curious that, although sweet violets have been somewhat extensively



A NEW VIOLET PEST.—Diplos's violicola. A, female fly; B female antennal joints; C, male genitalia; D, larva; E, breastbone of larva.

(From Bull. No 22, Div. of Ent., U. S. Dept. of Agriculture.)

cultivated in this country for many years past, yet up to the year 1896 no complaint had been made of any cecidomyian attacking either these or any of the many wild species of violets which occur in almost every locality in this country.

On October 5 of the above mentioned year Mr. P. H. Dorsett, of this department, brought to this office several leaves of sweet violets from the vicinity of Washington, D. C., each of which was folded up in such a manner as to bring the upper surfaces together; the leaves were much wrinkled and distorted, and each contained from one to three whitish, or more or less yellow, legless larvæ. Thirty-one adults were bred from these on the 23rd and 24th of the same month. Mr. Dorsett has published a brief account of this pest, which is known among florists as the "gall fly", together with figures of the distorted leaves. More recently Dr. Howard, by request of a correspondent, has published a brief account of this insect in a current publication.

Plants of violets infested with what is evidently this same pest were received July 17, 1896, from Mr. W. A. Hammond, of Richmond, Va., with the statement that these insects had been quite destructive to his violets during the months of June and July for two years past. The attack was principally directed against the youngest leaves, which in a short time turned brown and dropped from the plant. As many as a dozen larvæ were sometimes found within a single folded leaf.

September 9 and 21, 1897, larvæ of this species were also received at this office from Mr. W. Davison, of Nyack, N. Y.; and on August 31, 1898, others were received from Mrs. J. H. Marbacher, Tappan, N. Y. The latter stated in an accompanying letter that her violet plants were literally covered with these larvæ in the folded and distorted leaves. From those received, three adults issued on the 9th of the following month.

Under date of October 12, 1898, Mrs. J. Sampson, Gordonsville, Va., wrote that a "gall fly," presumably this species, had been injurious to violets grown in beds during the early spring of that year, but all the intested leaves had been picked off and destroyed and no specimens were available at the date of writing.

Writing under date of January 27, 1899, Mr. W. V. V. Powers, Cornwall-on-Hudson, N. Y., stated that he had noticed species about three years previously, and had been troubled with it more or less ever since. He was not certain that there was any connection between the appearance of this pest and the introduction of the so-called California violet, but stated that they both appeared the same year in his vicinity.

In a letter published December 3, 1898, Mr. Davison, mentioned above as having sent specimens of this insect to us for identification, states that his experience with this maggot convinces him that it is the worst enemy the violet grower has to contend with, owing to the extreme difficulty experienced in its destruction without injury to the plant. He says:

It secretes itself in the crown of the plant; the leaves as they come up are tightly curled, and when unfolded there will be found six to eight small white maggots. On some plants you can pick off the young leaves until the crown is bare. Loosing the crown will cause the side crowns and runners to start; the latter must be taken off. The maggot seldom appears on the side crowns, giving them a chance to make good plants. The flowers will not be as large as crown flowers.

I find when the maggot leaves the plant it goes into the ground. As proof of this, I placed forty or fifty of the leaves containing maggots on a pot filled with soil, covering the soil with glass, expecting in this way to see the maggot in the chrysalis state. At the end of two weeks, wanting to send some specimens to the Division of Entomology at Washington, I removed the glass, but the maggots were gone. I turned the soil out of the pot and found maggots all through the soil in the same state in which they left the leaves.

He also expressed the belief that the fly was introduced with manure purchased from a person who collected garbage, as no flies were seen in his greenhouse previous to the introduction of this manure, and the maggots were observed only where it was used. Further experience is necessary to confirm this opinion.

The subject of the so-called gall flies which affect violets has also received mention by Mr. B. T. Galloway in his recently published handbook on violet culture, under the heading "Gall Fly Maggots." The nature of the injury is there described and remedies suggested. This account also includes a half-tone illustration reproduced from a photograph showing the twisted leaves of violets.

This insect, although belonging to the same family as the two species already referred to as also attacking violets in Europe, pertains to a different genus; and

while its work is very similar to that produced by the Cecidomyia affinis, yet a comparison of the adult gall-gnats with the description of the last mentioned species reveals the fact that the two are very distinct, not only differing in the venation but also in the structure of the antennæ. Following is a description of our species:

Antennæ in both sexes three-fifths as long as the body, 14-jointed (2x12), the first two joints subequal in length, each as broad as long; third joint more than twice as long as the second and more slender, other joints becoming successively slightly shorter except the last one; joints three to thirteen each slightly constricted near the middle, narrowed at the apex into a petiole, which, on the thirteenth joint, is almost one-half as long as the thickened portion of the joint; two whorls of bristly hairs on each of the joints from three to thirteen inclusive, one near the base, the other near the apex of the thickened portion. Head and thorax black, the hairs yellow; antennæ and legs brown, halteres yellowish, scutellum and abdomen bright yellow, the hairs also yellow. Wings gray, strongly iridescent, thickly covered with short hairs; first vein extending rather close to the costa, terminating slightly before the middle of the wing; third vein terminating distinctly below the extreme tip of the wing, its basal portion, connecting with the first vein, imperceptible; fifth vein forked near the middle, the anterior fork terminating midway between the apex of the posterior fork and of the tip of the third vein. Length 1.25mm to 1.50mm.

The remedy generally employed against this pest consists in picking off and destroying the infested leaves. It is also amenable to the hydrocyanic acid gas remedy, as detailed in Circular No. 37, 2d Ser., of this Division and undoubtedly also to the buhach insect powder, recommended as a specific against the "gall flies" on roses. Tobacco, however, can not be safely used to any great extent on violets grown under glass.

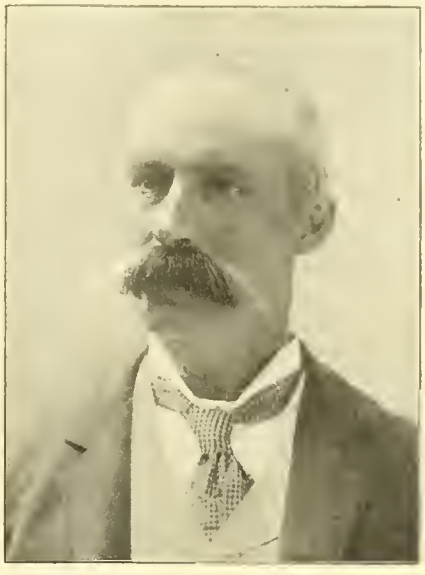
BI-FLOWERED VIOLETS.

Three violets on one stem do not often appear, neither are two blooms on one stem of frequent occurrence, even in gardens where violet culture is a feature. At Fifield, however, Mr. R. Cawte grows Marie Louise violets so well that, though he has several frames full of plants, the majority of the flower stems bear two blooms, each with a long stalk, while not infrequently three blooms are borne on one stem, each bloom of full size, fine shape, color and fragrance. Exceptional vigor seems to be the cause of such production, but if Mr. Cawte could fix this variation from the normal form he would be quite justified in calling it a bi-flowered strain. In most cases the peduncle or flower stem branches quite low down, so that the two or three flowers, as the case may be, have each a stem three or more inches in length, and can be used individually or collectively. Judging from the number of flowers Mr. Cawte sent us a few days ago, his violets flower with the utmost freedom, and by virtue of the branched flower stems the crop is about doubled.—*The Gardeners' Magazine.*

COLLEGE POINT, N. Y.—Anton Schultheis is having electric lighting installed in his range of greenhouses.

NEENAH, WIS.—W. Z. Stewart has purchased the establishment of Geo. Boozer and will continue the business.

F. W. TAYLOR



WM. SCOTT.

SUPERINTENDENT AND ASSISTANT SUPERINTENDENT, RESPECTIVELY, OF HORTICULTURE AT THE PAN AMERICAN EXPOSITION, BUFFALO, N. Y.

CARNATIONS.

TOPPING YOUNG PLANTS.

Do not be in too big a hurry to top the young plants. Let them get high enough to have at least four good joints between the top of the pot and the point where the plant is topped; in strong growing varieties this can be increased to five such joints. Some growers do not think this is the proper method and some go so far as to pinch the top out and leave only the two lower leaves on the young plant, so that it breaks growth right at the bottom. There is no particular objection to this method beyond the fact that it makes a solid mass of growth down to the ground and there is much danger of getting the soil into the bottom growth of the plant; this may not be a direct cause of stem rot but it certainly aids and abets it. This very low topping also causes a check to growth by taking practically all of the foliage away from the plant; this may not be so perceptible as some other checks but is none the less undesirable.

In topping the young plants I find that to allow them to grow until the axillary buds at the base of the leaves are beginning to push out into growth is a decided advantage, as they are then ready to push forward and take the place of the top that you cut out, keeping up the proper root development. Although this is another point on which growers differ, it seems reasonable that in topping the young plants a good sharp knife should be used and the top cut out instead of pulled out, as a clean surface heals up much more quickly than a ragged edge.

There is always the temptation to take the top of a new variety as soon as it is large enough to form a cutting that may be rooted and thus increase the stock of the variety, but this is often the cause of a complete failure with a novelty which might have been a success had the purchaser paid some attention to the natural laws of plant life, in handling the young stock. It is far better to have twenty-five good plants of a novelty for trial next winter than to have twice or three times that many poor ones.

It is not absolutely necessary that a carnation be topped before it is planted in the field, as some of the finest plants I ever had made no sign of growth at the axillary buds and were allowed to grow three weeks in the field before topping, which ran them to about the first of May, and yet they made plenty of side shoots before August and planting-in time.

There are exceptions to all rules and the exception to this rule of waiting until side growth starts before topping comes when a variety runs so high that it is in danger of falling over before the side growths start, and thus making a deformed plant; then the plant should be topped at such a height that it will not fall. This is, however, an exceptional case. Where the plants are grown properly and not forced into a weak, soft growth there is little danger of their getting top-heavy. ALBERT M. HERR.

Flowering Shrub Shoots Indoors.

The kinds of shrubs to select for flowering indoors are those which bloom quite early under natural conditions. There is but little use to try summer bloomers or even those of late spring. The following list will give an idea of the kinds meant: Common alder, dwarf apple, common hazel, Deutzia gracilis, Daphne Mezereum, goat willow, amelanchier, Cornus Mas, forsythia, Lonicera fragrantissima, Persian lilac and Jasminum nudiflorum.

These have all been tried at various times and have been found to force well. I use the term "force," though all that is required is to place them in a greenhouse to start the flower buds. Lengths of about a foot are a good size to use. The Cornus Mas, Daphne Mezereum, alder, hazel and Jasminum nudiflorum are quite impatient to flower, and it will be but a few days after being taken inside before the buds will be seen to expand. The golden bell, forsythia, should also be included.

The Cornus Mas, which is also known as Cornelian cherry, because of the large fruit it bears later, is very pretty when in flower. The blossoms are small, but

there are such numbers of them ranged along the branches that quite a display is made. Outside this usually leads all shrubs, excepting the Daphne Mezereum. This is the first and its flowers, white on some plants, pink on others, though small, are very fragrant.

When grown in pots in a greenhouse the Carolina jasmine, Gelsemium sempervirens, blooms early, and it is a most lovely vine, as all visitors to the south in early spring are aware. But though the plants live out with us they are usully somewhat injured in winter, so that I have never seen one flower out of doors. If a bundle of shoots could be had from the southern forests, no doubt they would bloom nicely.

I have never been very successful with branches of fruit trees, such as apple, cherry, plum and pear. It may be that if laid on damp moss in a dark place for a while and brought to light later, when the buds were somewhat advanced, success would be attained. The same may be true of Spiræa Reevesii, S. Van. Houtteii, lilacs, snowballs and late spring shrubs, which certainly do not succeed in bottles of water as well as the other sorts named.

A friend of mine had a few dwarf apples last season, and these made an uncommonly beautiful showing when in bloom. They were a mass of flowers in a short time after given heat. These dwarf apples are on the Paradise stock, which dwarfs them, and then the potting increases the tendency to early flowering. These should make good selling plants for Easter. An apple in full flower would be pretty, besides the sweet odor of the flower, and then what of the fruit to follow? JOSEPH MEEHAN.

Begonia Gloire de Lorraine.

Without doubt this is one of the most useful greenhouse decorative plants that has been introduced for half a century. We have no plant that will last in bloom for such a length of time in the greenhouse. Plants that were in blossom in September are still in good condition and there is no telling how long they will blossom if they only are well looked after.

This begonia is a hybrid between B. Socotrana and B. Dregii. The cultivation of this hybrid is made easier by knowing something about both parents; therefore I will give a short description of each plant. B. Socotrana was sent to the Royal Gardens, Kew, twenty years ago from the Island of Socotra. As soon as it blossomed great things were expected from it in the way of hybridization. Very soon Veitch & Sons took it in hand and crossed it with several other species of begonia and raised several winter flowering hybrids. M. Lemoine also raised some hybrids and he kept on working until he raised one of the finest hybrid begonias in existence, Begonia Gloire de Lorraine.

B. Socotrana has a perennial rootstock formed of numerous fleshy buds clustered around the base of the plant. It has a slender stem from six to twelve inches long which dies down annually. The leaves are orbicular, four to ten inches across and the petiole four to six inches long. The flowers, which are of a bright rose color, are produced in winter on erect, slender axillary peduncles. The other parent, B. Dregii, is not quite as showy. It is a native of South Africa and was introduced into cultivation about 1840. Its flowers are white, about one inch across and produced in axillary cymes. The leaves are oblique, green color, thin in texture and the succulent stem is about one foot high. The rootstock is fleshy. The descriptions are dry reading but this new hybrid partakes of some of the characters of both parents and the principal thing I want to point out is that the rootstock of B. Dregii is fleshy, and in good sized plants of B. Gloire de Lorraine it will be found that it has also a fleshy rootstock. Therefore, by cutting the plants well back the undeveloped buds on this fleshy rootstock begin to grow and those growths, when they are an inch or two long, make the very best cuttings.

If any one wants to grow large plants for next Christmas, the plants would have best been cut back during February. Remember to keep the plants in the warmest house after cutting them back. In a week or two there will be plenty of cuttings to take. With a good propagating bed they root very easily, and in about two weeks they are ready for thumb pots. They ought to be kept growing right along in the warmest house and never given a check by neglect of potting when they require it. During

THE LATE ARCHIBALD MIDDLEMASS.

the early spring months on bright mornings a slight syringing overhead does the small plants good, but whenever the weather gets warm and the fires are stopped the syringing must be done away with. After this the watering must be done very carefully as too much moisture on the benches or plants will produce a very disastrous fungus disease. During the summer a slightly shaded warm house is the best and in autumn they may be grown cooler and given plenty of sunlight. When the plants begin to show flowers they ought to be neatly staked out. The staking takes a good deal of time but it pays in the end.

I have had plants grown along from one cutting in each pot that was struck last spring and when they were staked out neatly measured two feet across at Christmas. I tell this because some writers advise to place three or four plants in a pot. The soil I use is a rough fibrous loam, leaf-mold, sand and sheep manure. After their final shift, when the plants are well rooted into the soil in the pots, weak liquid manure can be given about once in every two weeks. Plants can be raised from the leaves but as this begonia is so plentiful now this method of propagating is too slow, as the leaves take too long to develop buds. ROBERT CAMERON.

Helpful Reminders.

One of the most popular hardy perennials for June blooms is the oriental poppy and if you started some in the fall they should have immediate attention on account of their habit of forming a long tap root. If left in flats or a bed, it is almost impossible to shift them without a large percentage of loss, but if put into 3-inch pots in a cool house now, the roots will curl up and form a compact ball for setting out May 1.

If you did not pot Lilium auratum and L. speciosum and pack in a cool pit in the fall, you can start some now. They are not only valuable for summer cut flowers but plants just started are good for bedding out. In potting these bulbs, plunge them deep enough to allow the roots from the top of the bulbs to grow into the soil as these are essential to a well developed stem and flower. Many persons prefer paying 25 cents for a potted plant in May to taking chances on a bulb at 10 cents in the fall; besides many people are inclined to have some gardening done in May who will not enthuse in autumn.

If you use Japanese maples for spring and summer decorations, they should be brought into warmth now. They are beautiful and unique and a decorator should not be without a few.

Cobœa scandens should be sown now and do not forget that unless the seeds are placed on edge they are almost sure to decay.

Agathæas should be shifted and encouraged now for a good bloom at Easter and the balance of spring.

Most of the annuals for early spring bedding should be sown by the middle of March. This is a trifle early for nasturtiums, as they grow so rapidly and become too large.

Too few gardeners make use of the salpiglossis; it is a flower that attracts more than usual attention and is seldom seen. It is not valuable for cutting because of the odor, but in the garden this is never noticed.

In selecting aster seed one cannot be too careful to have the varieties which give the most perfect individual flowers and it pays to disbud them the same as chrysanthemums.

For veranda boxes or vases the vinca is a valuable vine and nursery-grown honeysuckles started in pots now make very desirable vines for boxes. C. B. W.

Notes of a Western Traveler.

The eastern tourist finds many things floricultural out here in contrast to his accustomed environments. Violets, for instance, which are far from plentiful in the eastern cities in February, may be obtained in San Francisco by wagon loads. It is the same with callas. Acacias are in every florist's window and are handled in quantities. With the whole outdoors almost one great conservatory one would not expect a great sale for florists' stock, but this is not the case. Roses and carnations are in constant demand and the wholesale prices are higher than they are in the east.

At Menlo Park, Sidney Clack runs the

greenhouses of the Sunset Seed and Plant Co. He grows roses, carnations, violets and bulbous stock, particularly lily of the valley, in large quantities and produces a great deal of smilax out of doors. M. Lynch, a neighbor of Mr. Clack, has quite a large place and has been growing sweet peas extensively but thinks that roses and carnations pay better and will devote his glass to them hereafter.

E. W. McLellan, the wholesaler and commission man, has a model establishment of more than 100,000 feet of glass at Burlingame and states that he will soon begin the erection of a range of 50,000 feet additional. The plant, which has all been erected within three years, is heated by crude petroleum, the only system of its kind on the coast.

The establishment of John H. Sievers & Co., in San Francisco, is the Pacific coast home of the carnation. None of the eastern varieties are grown here, however, but for size, strength of growth and variety of color, the Sievers seedlings are remarkable. Ethel Crocker originated here.

Ferrari Bros. have a big place and grow general stock. At present they are completing a range of new houses. Fick & Faber make a specialty of carnations and have all the varieties well known in the east.

Leon Ronnean has upward to 30,000 feet of glass devoted to stock for the wholesale market and L. Chiappari has 60,000 feet for the same purpose. He has excellent kentias.

Edward Scheverin has a new seedling carnation, named for himself, which appears to have merit.

A. Pottet has a well stocked place and some particularly fine heliotropes.

WESTERNER.

New York.

MONTHLY MEETING OF THE CLUB SLIMLY ATTENDED.—GOOD PROGRESS IN CONVENTION MATTERS.—A FINE PREMIUM LIST IN SIGHT.—DOINGS AT THE MEETING.—TRADE QUIET.—LOW GRADE STOCK MOVES SLOWLY.—CHANGES AMONG THE WHOLESALERS —VARIOUS NOTES OF INTEREST.

The attendance at the monthly meeting of the Florists' Club, on the evening of March 12, was rather light but the proceedings were sufficiently animated to well repay those who were present. President O'Mara was unable to attend, owing to a severe attack of tonsilitis, so Vice-President Herrington was called upon to fill the chair, which he did in a most acceptable manner. The principal business of the evening was reports of the various sub-committees on the different features of the coming S. A. F. convention. All reported substantial progress and encouragement from every direction. The exhibition committee's plans, as usual, received the greatest attention and the demand for gold medals, cash prizes and other trifles continues unabated. If appropriations were made according to the views of every adviser the schedule would require the financial backing of the sugar trust or some similar institution. However, it will soon be in shape to publish and that it will be as liberal and comprehensive as could reasonably be asked, cannot be doubted.

Max Richter, of New Springville, S. I., sent, via Alderman Morris, a bunch of excellent Princess of Wales violets and a special committee awarded honorable mention therefor. Mr. Atkins mentioned that an invitation to Jamestown, N. Y., for the convention of 1901 would be extended to the S. A. F. at the New York meeting. A vote of thanks was extended to the Buffalo Florists' Club for hospitalities extended to members of the New York club on the occasion of the recent carnation meeting. It was announced that a meeting of all committees on convention matters would be called for Monday evening, March 26.

Trade in general is quiet among the cut flower men but not more so than could reasonably be expected in Lent. The weather has been cold, which does not help the situation any, as the possibilities of street business are thus curtailed and the best existing means of disposing of the surplus lower grade stock is cut off. The supply coming in is limited, considering the season, and this is fortunate under the circumstances. Carnations continue to find a ready outlet for all of good quality that are sent in. In roses the best sale is found for the highest grade but there is a determined attack on prices in progress continually which requires backbone and alertness on the part of the wholesalers to resist.

The firm of Blauvelt & Guttman has dissolved. A. J. Guttman, as successor, will, on April 1, take Koffman's present location on Thirtieth street. J. H. Blauvelt has opened in the place just vacated by J. J. Perkins & Co.

J. N. May went to Holyoke last week to lecture on rose culture at the Young Men's Christian Association.

John Finck, for many years employed in the establishment of Henry Butler on Broadway, is dead.

Peter MacDonald has been appointed to a position of responsibility in the New York park department.

The New York Cut Flower Company may locate at the corner of Broadway and Thirtieth street.

Philadelphia.

TRADE IS QUIET.—NO GREAT OVER-SUPPLY.—PREVAILING PRICES.—EASTER PROSPECTS.—INDICATIONS ARE FOR MANY LILIES.—CRIMSON RAMBLERS WILL BE FINE.—GOOD SHOW ASSURED FOR NEXT WEEK.—ANTICIPATIONS OF ROSE SHOW.—NOTES.

Things are quiet at present, the weather being dark and blustery. There is no great overstock accumulating, however, nothing seeming to be in full crop. Roses are a little more plentiful and are being shaded a trifle in price; $4 to $5 per dozen is now being asked for the best Beauties, $8 to $10 per hundred for the best teas, with the emphasis on the "8." Carnations bring $1.50 to $2 for the quick movers and $3 to $4 for the fancies. Violets are plentiful at 50 cents to $1 for the doubles and 25 cents to 50 cents for the singles. Bulbous stock is going slowly at from $3 to $4 per hundred. Daffodils in pots have begun to sell well; in fact all blooming stock, and there is just now a fine assortment to be had, is moving right along.

All eyes are, of course, turned to Easter, now drawing near, and orders are being placed for select and scarce stock. In fact everything of this character has already been ordered. Of Easter lilies I think it may be said that there will be enough to go around, as with few exceptions the crops are all good and ninety per cent will be ready for Easter delivery. The various lots are in different stages of development, some with buds so far advanced that they can be counted, others having the buds just above the leaves and still others with buds far enough up to begin to turn down, and all are said to be just right. They probably will all appear in fair condition for the market when the time arrives, but as to which are just right now is a question. Crimson Ramblers are going to be fine, for well budded plants are to be seen in several places in this city. The clusters of buds are now formed well above the foliage so that each bud may be counted. They are thought in this condition to be about right and likely to be at their best for the Easter trade. Hydrangeas are now seen with buds from two to three inches across and promise to be very fine.

The exhibition of the horticultural society next week should be a good one. The premium list offers a chance to growers and dealers alike to make a fine display and when it is considered that all prizes won are to be paid in spot cash the day the show closes there would appear to be no good excuse for other than a clean sweep. The American Rose Company's prize of $50 for the best seedling carnation should bring out something fine in this line.

The great rose show in New York is being looked forward to with pleasure by the craft in this city and a goodly representation will no doubt be present. There will also be quite a few exhibits from this vicinity.

A. D. Hoag will shortly take possession of the basement store, 1631 Chestnut street.

Robt. Craig is out west on a business trip.

K.

Boston.

MR. WARD LECTURES ON THE CARNATION.—GOOD EXHIBITS ON VIEW.—SOME AWARDS.—BUSINESS UNEXPECTEDLY LIVELY.—CARNATIONS IN EXTRA DEMAND.—SOME SPECIALTIES.—PROSPECTS FOR A PARTY TO THE ROSE SHOW.—CASES OF THE GRIPPE.—VARIOUS NOTES.

C. W. Ward's lecture on carnations and their development attracted a very large and attentive audience to Horticultural Hall, on Saturday, March 10. The choicest display of carnations ever seen in Boston adorned the exhibition table and the varieties displayed thereon were frequently referred to by the speaker in the course of his remarks. Awards were made by the Massachusetts Horticultural society, to Gov. Roosevelt a certificate of merit, to G. H. Crane a certificate of merit and to No. 666 honorable mention. The Marquis and Olympia, both of which were shown in superb form, had been before the society on a former occasion and duly recognized. Genevieve Lord from H. Weber & Sons, Maceo, Bradt and a large number of seedlings from C. W. Ward, seedlings from Patten & Co. and May Whitney and Eleanor Ames from D. Carmichael were among the other notable exhibits. In the lower hall James Comley held forth with a fine display of violets, lilacs, camellias and promiscuous flowers, N. F. Comley showed new violet Sunnyside, a pale colored cross between California and Lady Hume Campbell, and Oakes Ames and H. A. Wheeler had some nice orchids, a certificate of merit being awarded to Mr. Ames for Cattleya intermedia var. alba. James Anderson showed hyacinths and other spring flowers.

Business has been excellent during the past week. The weather, although pleasant, has not been sufficiently warm to precipitate an oversupply and the demand from store and street, local and country, has been unexpectedly lively,

much shipping having been going on in the wholesale stores. Carnations sell out in good shape, white ones being decidedly short as compared with the call for them, consequently carnation values are all right generally. Among the fancy things now coming in are splendid acacia, which is coming to Geo. A. Sutherland in fair supply, and forced May flowers, of which Welch Bros. are receiving regular shipments. Lilies are not yet plentiful but those that are in are generally of good quality and sell for prices not far short of Easter quotations.

It is probable that a good sized delegation from this neighborhood will attend the rose society's exhibition in New York during the last week in March. The regular spring show of the Massachusetts Horticultural Society takes place in Boston the previous week and by the time it is over the pilgrims who went to Buffalo from here expect to have managed to unload all the Canadian silver quarters that came into their possession while in that border town.

A number of cases of the grippe have occurred among the local fraternity during the past week. Among the victims are M. H. Norton, Wm. Edgar and David Welch.

Edward Hatch mourns the loss of a favorite sister, who died very suddenly last week. The funeral took place on Saturday from their residence on Commonwealth avenue.

Among the recent visitors are Messrs. C. W. Ward and Paul Dailledouze, who spent a few days in calling upon a number of the local carnation growers.

Jos. A. Dirwanger, Jr., passed through here Saturday on his way home to Portland after another long trip to Manila in the service of Uncle Sam.

Thos. Waters is now on the road representing Geo. A. Sutherland among the New Englaud towns, and reports good business.

Wm. F. Molloy, for many years in the employ of E. M. Wood & Co. as salesman, has resigned his position.

Recent visitors: Carl Jurgens and Carl Jurgens, Jr., of Newport, R. I.

Chicago.

ANOTHER BUSY WEEK.—STOCK INCREASING IN QUANTITY.—QUALITIES SOMEWHAT IMPROVED.—EXTRA DEMAND FOR WHITE.—ADOLPH POEHLMANN TO START FOR HIMSELF.—FRIEDMANN TO MAKE AIRSHIPS.—BUYERS FOR THE GARLAND GUTTER.—VARIOUS NOTES OF INTEREST.—VISITORS.

This has been another extra good week in wholesale circles and most of the retailers have had their share of prosperity. Monday was the best day of the week but the following days were large and, although production is on the increase, everything has sold, even several lots of over-ripe roses which growers who have retail stores had held in their own ice boxes for a week or so before consigning them to be worked off at any price the commission man could get. There have been enough of the long Beauties, too many of the short ones but not sufficient supply of the medium lengths. Brides and Bridesmaids have been fairly plentiful but every day has furnished illustrations of the greater profit in growing first-class stock, for the poorer grades always have to wait until the firsts are gone. The principal demand has been for white and carnations have been the principal shortage in that line, commanding an extra price on that account. There have been large quantities of callas and they have sold fairly well; the bulbous stock moved after a fashion. Violets have done slightly better than for some time past because the weather has been such most of the time that the street men could handle anything which the retailers did not want.

At the Florists' Club meeting last evening, March 16, the attendance was large. The principal attraction was the fine display of hyacinths made by Superintendent Stromback, of Lincoln Park, from bulbs produced in the state of Washington. A Hollander present stated the blooms were as good as he had ever seen. They were strong growing varieties, however, and he doubted if similar success could be obtained with such delicate sorts as La Grandesse, Czar Peter, etc. The Chicago Carnation Co. made a fine display of seedling carnations, one remarkably fine variegated, No. 82, making the high score of 88 points. The others were No. 44, scarlet, 86 points; No. 64, variegated, 70 points; Chicod, variegated, 81 points. Wm. Timmie and Wm. Fisher, of Joilet, M. Magnuson, Bowmanville, and Chas. Hughes, city, were elected to membership.

On April 1 the Weiland-Risch Floral Company, of Evanston, will open a Chicago wholesale store at 59 Wabash avenue, street floor. J. P. Risch will be in charge and Robert Northam, now with George Reinberg, will be the salesman. The Evanston range of glass is now turning out considerable quantities of good stock and new houses will be added this season, while all the latest roses and carnations will be planted for next year. This will be the first wholesale house in Chicago upon the street level and the innovation will be watched with interest by the rest of the trade.

Adolph Poehlmann has sold his interest in the Poehlmann Bros.' greenhouses at Morton Grove to his two brothers, John and August, and is planning to invest several thousand dollars in a range of glass upon his own account. Under the new regime John will continue in charge of the salesroom at 53 Wabash avenue while August devotes his energies to the management of the greenhouses. They have had a good season thus far.

O. J. Friedman is about to embark in the manufacture of airships and automobiles according to the declared purposes of the Friedman Automobile Co., which was incorporated at Springfield one day this week. The capital stock is $100,000 and the incorporators are Mr. Friedman, James Rosenthal, a lawyer at 79 Dearborn street, and Walter W. Robinson.

E. R. Sackett, of Fostoria, O., was a visitor this week and invested in a sufficient quantity of Garland's iron gutters to fit out a new 10,000-foot range of rose houses. Eastern growers seem to be taking to the Garland device, for George Wrisley, of Windsor, Conn., has placed an order for 1,000 feet of the Valley Gutter, sufficient for a good sized range.

The Amling establishment looks like business. Space is given to two other dealers and with the advent of George Piepgras, who has a neatly partitioned-off corner, there is no unused room in the big basement.

The St. Louis bowlers have accepted the invitation to come to Chicago for a match game but the date of the contest has not yet been determined.

Kennicott Bros. Co. reports a very encouraging sale for mahonia leaves. This is a green which the florists are just beginning to appreciate.

McKellar & Winterson have a large stock of spring bulbs, having taken the entire output of a southern grower, and report good trade.

H. S. Chase, of the Alabama Nursery Co., Huntsville, Ala., has been in town this week and reports heavy spring orders.

Peter Reinberg is forcing some lily of the valley this year and having very fair success.

Visitors: Wm. Sharpe, of Kansas City, Mo.; Walter Mott, of Philadelphia; Geo. Souster, Elgin, Ill.; A. S. Swanson, St. Paul.

Baltimore.

BUSINESS SLOW EXCEPT IN THE LINE OF FUNERAL WORK.—REPORTS AT THE CLUB MEETING.—THE ELECTION.—MUCH SATISFACTION EXPRESSED.—THE BANQUET AND SPEAKERS.

Business continues to wear a subdued air, though the supply has not yet passed greatly beyond the demand. Funeral work continues strong and the men who depend on it, apparently have escaped Lenten dullness so far.

Reports from the sick members at the club indicate the speedy recovery of Phil Welsh, but there is not much improvement in Mr. Tischinger's case. The report of the show committee was that the carnation exhibition was a success, although the weather hindered the attendance somewhat. Votes of thanks were given to E. Holden for his show of cinerarias, and Mr. Perine for the loan of jars for the show. After receiving proposals for membership from Jos. Hogarth, Robt. M. Kemp, Jno. Wolf and Jno. Wiedey, the club proceeded to the annual election of officers. Robt. Halliday was nominated by F. G. Burger and elected by acclamation, in spite of his protests. N. F. Flitton was chosen vice-president, F. G. Burger, treasurer; Henry Ekas, financial secretary; J. J. Perry, recording secretary and J. L. Wagner, librarian.

After the election, and a very few minutes was sufficient for it, felicitation ran high and all adjourned to the dining hall to partake of one of the most thoroughly satisfactory banquets the club has ever enjoyed. E. A. Seidewitz acted as toastmaster, a position in which all hands acknowledged him to be inimitable. Although the speeches were informal and light in vein, no one failed to express some hopeful or cheerful sentiment and the whole banquet was fairly odorous with the feeling of good-fellowship and the expectation of a prosperous and successful year. From the president-elect, who opened by outlining the work before the club in preparing for the carnation society's convention, to R. Vincent, who was one of the last and who lifted up the veil of the future enough to give a glimpse of a greater convention still in the distance but within sight, all were optimistic and filled with good feeling. It would be impossible to give even a synopsis of the speeches without trespassing upon the rights of other correspondents, but the following members had something to say which was well said: Robt. Halliday, Wm. Christie, N. F. Flitton, Geo. Brown, Fred. G Burger, Wm. McRoberts, Jno. J. Perry, Robt. Graham, Harry Ekas, Wm. Fraser, Thos. Patterson, Chas. L. Seybold, I. H. Moss, Richard Vincent, John Rider, Jno. Wiedey, H. Cleveland and W. Stocksdale.

MACK.

Toronto.

MORE ABOUT THE CARNATION SHOW.—WHAT THE GROWERS STAGED.—ALL THE NEW SORTS IN EVIDENCE.—BEST FLOWERS EVER SHOWN IN CANADA.—CERTIFICATES NOT YET AWARDED.—MEETING OF THE HORTICULTURAL ASSOCIATION.

The carnation exhibition of March 8, reported on briefly last week, was a great success. The flowers were extra fine and the hall was so crowded at times that it was difficult to get near the tables. Miller & Son, of Bracondale, showed good vases of Lady Van Horne, Lady Roberts, Lady Minto and Jno. Dunlop. F. Dorner & Son, Lafayette, Ind., had a vase of magnificent blooms of G. H. Crane. C. W. Ward, of Cottage Gardens also had very fine flowers of G. H. Crane and Mrs. Bradt. W. J. Palmer & Son, Buffalo, had extra good blooms of Mayor Pingree, and a fine large sport from the same, orange and salmon in color; also a white sport of Daybreak equal to that flower at its best.

J. Gammage had a dark pink seedling called Rosy Morn, and a white named Expectant; also very good vases of Mary Wood, Leslie Paul, Red Bradt and America. C. Scrim, Ottawa, had a vase of Imperial in fine condition, some extra Marie Louise violets and a number of good roses. The most notable thing in the exhibit was a vase of the famous Liberty rose which was superb. Harry Dale, of Brampton, showed good blooms of White Cloud, Armazindy, Glacier, Lily Dean and others. Ewing & McNaughton were on hand with their patent plant boxes, which seemed to be a success, judging from the orders they were taking.

A. M. Herr, Lancaster, Pa., sent a fine vase of Ethel Crocker in splendid condition. Peter Fisher, of Ellis, Mass., contributed Mrs. T. W. Lawson, in fine shape. R. Witterstaetter, Sedamsville, O., showed Enquirer, which was magnificant in every respect. L. E. Marquisee, of Syracuse, sent a large vase of The Marquis, splendid blooms, in superb condition. This formed, to the visitors, one of the principal attractions of the exhibition. H. Weber & Sons, Oakland, Md., had a fine vase of Genevieve Lord. J. H. Dillon, Bloomsburg, Pa., sent Queen Louise, a pure white flower of fair size and quality.

E. G. Hill & Co.'s principal exhibits were magnificent vases of Olympia and J. Whitcomb Riley, three and one-half-inch blooms. W. Fendley, Brampton, had Wm. Scott in extra fine condition and some exceedingly good violets. Wm. Scott, of Buffalo, had an extra good vase of White Cloud. F. Dicks, London, showed Portia, Eldorado and Daybreak, all good.

J. H. Dunlop had extra good blooms of Mrs. Bradt and General Gomez, and a magnificent vase of twenty-five spikes of Defiance mignonette. J. N. May, Summit, N. J., showed a vase of Olympia, described by the judges as magnificent.

After the carnation meeting a repast was laid in the dining room in honor of the visitors, at which fifty seven sat down, and a pleasant and jovial evening was spent, enlivened with appropriate speeches, toasts, songs and stories, Wm. Scott being awarded the cake for the latter. At a meeting of the Canadian Horticultural Association held the same evening it was arranged that the convention should be held in Montreal the week prior to the S. A. F. convention in New York so that those who wish can take in both. The programme, which will be published later, was arranged. The new Canadian trade journal was promised the support of the Association. S. P.

Cincinnati.

STATE OF THE MARKET.—THE SECOND CARNATION SHOW.—ENQUIRER CAPTURES THE GOLD MEDAL.—MANY CERTIFICATES AWARDED.—SOME GOOD BLOOMS.

Stock has been more plentiful the past week, the increase being at least fifty per cent. Roses have been equal to the demand with the exception of long stemmed Beauties. Carnations have been steadily improving in quality and were never better. Violets are quite plentiful at 50 cents per hundred. Harrisii lilies are still scarce and sell at $1.50 per dozen.

Our second carnation show was held at the society's club rooms on March 10, and was pronounced by all the best of this season. The blooms shown eclipsed all previous displays. The vase of Enquirer was the center of attraction and was well worthy the McLean gold medal which was awarded to it. Mr. Witterstaetter also received a certificate for Elinore and two cash prizes. Messrs. Weber & Sons, Oakland, Md., showed a magnificent vase of No. 11, a pink of grand form, and No. 30; both were certificated. Mrs. E. T. Grave, of Richmond, Ind., exhibited Dorothy, a dark pink, which was awarded a certificate. L. E. Marquisee, of Syracuse, N. Y., was awarded a certificate for The Marquis, which arrived in excellent shape. Crabb & Hunter, Grand Rapids, Mich., exhibited a vase of Irene which scored eighty-five points and received a certificate. E. G. Hill & Co. staged a fine collection, notable varieties being Leslie Paul, Ethel Crocker and Olympia, which received certificates. Among our home growers A. Sunderbruch was first with Daybreak, Wm. Murphy first with four vases of commercial varieties, and W. Rodgers first with a vase of mixed varieties. Visitors at the show were: E. G. Hill and John Evans, of Richmond, Ind.; H. Weber, of Oakland, Md.; S. H. Harbiston, Danville, Ky.; Theo. Bock, Hamilton, O., and S. S. Skidelsky, Philadelphia.

H. SCHWARZ.

Buffalo.

TRADE IS QUIET AND BARGAIN OFFERINGS IN VOGUE.—RESULTS ARE GOOD.—A VISITOR FROM PHILADELPHIA.—PHIL SCOTT GOES TO DENVER.—OTHER NOTES.

Lenten season is with us in every sense of the word. Trade has been decidedly quiet and had it not been for the bargains offered by different stores, as dry goods firms do, every day would have been like a Sunday. One would sell carnations, another violets, and so on, trying to attract the public. I think bargains in flowers are all right providing it is a bargain and one has the public understand that it is for one day only. While the dealer does not make any money he does not lose and it all has a tendency to bring people to the store. Ten customers at $1 each is certainly a better business proposition than one at $10. While the profit may not be as large at all times, one makes a busy business center out of his store.

Phil. Scott has accepted a position with the leading florist of Denver, Col., and we shall lose a very active participant in our social and athletic activities. Denver seems to lay claim to Buffalo boys, especially from Scott's, as M. Bloy went there January 1 to assume the management of the greenhouses of the Park Floral Co., the firm which has now secured Philip Scott to manage its store.

The cards displayed in Adams' window, advertising his Lenten bargains, also Meteor, Romans and lilies, have created plenty of talk but they make a good advertisement. Good roses are still bringing $2 to $3 per dozen; carnations from 25 cents to 75 cents; violets $1.50 per hundred; bulbous stock 60 cents to 75 cents; Beauties $7 to $9 and meeting ready sale.

We were honored last week by the presence of J. Walker, of Philadelphia. Wm. Scott had Mr. Walker under his care. He called on the trade in general, ending up by the commissioner, Mr. Walker, Adams, Phil Scott and a couple of others engaging in a bowling game.

This week will see a considerable change in the flower stores of Buffalo. William Scott removes to Cold Spring, severing his connections with the down town brigade. W. A.

Washington.

TRADE GOOD AND STOCK PLENTIFUL.—LEISSLER COMES TO TOWN.—SOME DECORATIONS.—ROSE BOXES SELL WELL.—NOTES.

Trade is holding up well and some of the florists say they are quite busy but others are feeling that Lent has set in. Roses, carnations, violets and bulbous stock are quite plentiful but prices are fair.

George A. Leissler, formerly of Anacostia, D. C., has taken the greenhouses of Mrs. M. N. Phillips at Cottage Hill. He is growing a general stock of roses, carnations and bedding plants. His Golden Gate roses, carnations and Astilbe Japonica are looking fine.

The American Rose Co. had the decoration for Mrs. Lyman J. Gage's supper, March 10, and in the center of the table was a large vase of about 200 seedling carnations, no two alike, which were much admired.

Carnations being more in demand than roses, the American Rose Co. tried the experiment of fixing up a lot of dollar boxes, using about six nice roses with a few bulbous flowers and a spray or two of Asparagus Sprengerii. In two days they sold over eighty boxes. Their carnations, Luna, Mephisto, Liberty and America, are looking fine.

J. H. Small & Sons have a very fine lot of Lilium Harrisii. Quite a number are in bloom now but most of them will come in about Easter.

Wm. Crawford had the decoration for Mrs. Gen. Foster's luncheon, March 9, using about 500 yellow narcissi and asparagus. Trade is fair at his Grant Place Flower Store.

A. Gude & Bro. are adding four more houses to their new range of glass.

P. G.

St. Louis.

There is very little change in the cut flower market this week, with the exception that stock is coming in a little more plentifully. There is still an over-production of single violets. Extra fine roses hold their own in prices, Brides, Bridemaids and Meteors bringing from $4 to $8 per hundred, and Perles $2 to $4. Carnations bring from $1.25 to $2 while extra fancy varieties go as high as $2.50 and $3. Bulbous stock brings $3 and $4. The retailers all report good business. The opera creates quite a demand, several large bunches of roses being handed up over the footlights each night, besides the boxes of cut flowers that are sent back of the stage.

J. M. Potts, of Chicago, has opened a very pretty retail store at 3838 Finney avenue. J. M. H.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

NEW camellias are attracting considerable attention in Europe just now.

SOME samples of new Easter souvenirs from D. B. Long are very attractive.

MANY florists, especially in western sections, complain of difficulty in securing efficient help.

THE spring number of the AMERICAN FLORIST will be issued March 31. Please send your advertisement now.

SUPPLIES in most lines continue to advance in price. How is it now with the prices you make your customers on stock and work?

EVERY day we learn through our Directory Department of new firms starting in business. Advertisers can reach these by using our columns.

THE imports of window glass into the United States during January amounted to 85,555 boxes, an increase of about 20,000 boxes over those of the last months of 1899. The heaviest shipments were to San Francisco, Boston and St. Louis.

PRIMULA KEWENSIS (P. floribunda × P. verticillata) is a new hybrid obtained at Kew Gardens, England, and described as a yellow P. obconica with the flowers borne in whorls. P. floribunda bears small yellow flowers in the greatest profusion and many attempts have been made to cross it with other species.

ELSEWHERE in this issue will be found portraits of F. W. Taylor and Wm. Scott, superintendent and assistant superintendent, respectively, of horticulture at the Pan-American Exposition, which is to be held at Buffalo, N. Y., next year. Both gentlemen are so well and favorably known to the trade that any commendation on our part would be superfluous. To Mr. Scott has been assigned full charge of floriculture.

Geraniums for Winter.

ED. AM. FLORIST:—Please give names of five or six up-to-date geraniums for winter blooming and state when the cuttings should be taken so as to have the plants in 4-inch and 5-inch pots and in bloom November 1. E. E.

Red, Heteranthe and John Doyle; pink, Francis Perkins, Mme. Jaulin and Beaute Poitevine; white, Mme. Ami Chevrelierre. Cuttings taken anytime in May or June should make nice blooming stock by November 1. They must not be allowed to get hard but should be encouraged in every way and kept growing right along.

C. W. JOHNSON.

Greenhouse Building.

Scranton, Pa.—Eugene Antoine, one house.

Brewster's Neck, Conn.—J. T. Peckham, one house 12x30.

Lenox, Mass.—John Sloane, on conservatory.

Woodmere, Mich.—Auton Kaier, three houses.

Salt Lake City, Utah.—C. F. Pfau, one house.

Washington, D. C.—A. Gude & Bro., four houses.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Chatterton Warburton registers Carnation Cressbrook, a seedling from Mrs. G. M. Bradt × William Scott. Color, bright pink; size of flower, three to three and one-half inches; stem strong and wiry; plant a strong grower, ready rooter and having no surplus foliage.

C. H. Gerbig registers Geranium A. N. Gerbig, single zonale. Flowers bright apricot salmon shaded much deeper towards center, with distinct white eye; truss large; foliage deep green with dark zone; growth strong and compact.

WM. J. STEWART, Sec'y.

The Tendency of the Times.

The question of flower values in the market as affected by improved quality and increased production, touched upon by Mr. Herr in a recent article, is one of vital interest, not alone to carnation specialists but to all commercial flower growers. A regular market for superlative grades of any flowers at fancy prices exists only in certain metropolitan communities. The country or suburban florists and their customers, too, know good material as well as anyone, as their well-known disposition to find fault with medium-class goods shows, but while ever ready to take their cue from their most critical city colleague in the matter of quality, will not follow him in the matter of price. The inevitable result of this double-edged protest against medium-grade stock on one side and fancy prices for extra stock on the other, is a determination on the part of the out-of-town florist to become independent of the city supply by producing locally as much as possible of the stock needed and the city wholesaler, to whom the country florist has been a good customer in the past, sees his once profitable shipping trade slipping away until it no longer exercises any influence on distribution or values.

The immediate gainers from the movement are the greenhouse builders and the rooted cutting men, whose business prospers therefrom, and the city retailers, who, seeing a well-supplied market and fearing no interference from outside demands, make it their business to grade up on choice selection and batter down general values, with the result that we see only the smallest percentage of the entire cut commanding fancy figures, while the balance of the product, being in unmanageable surplus with no protection from either city or country trade, becomes the prey of the street vendor, who quickly gives it the finishing blow by exposing it for sale under debasing conditions and surroundings.

It being certain that there will always be old and dilapidated greenhouses, always plenty of careless or incompetent growers who can be depended upon to produce all the low grade material that the cheap demand can consume, it would seem that the time had now come when it would pay the best growers—those who aim to produce high-grade stock and cater to the trade that is able to pay for it—to cut loose absolutely from the low-class market. Whatever disposition they would make of the percentage of inferior stock that is unavoidably produced in even the best-managed places—whether it is destroyed, given away or sold—it should never be seen in the same market where such growers' standard product is handled nor should they, under any possible circumstances, allow their name to be associated with it. Manufacturers in other lines have learned that there is always room for the concern that produces high-class goods exclusively and stands upon the reputation that no other quality can be bought from it. The fact that such a grower gets $2 a dozen for his carnations while his neighbor who caters for the cheaper market gets $2 a hundred for his will not indicate that the former is getting rich any faster than the latter. Each will find his level and each make his legitimate profit based upon his enterprise and business sagacity and afforded by the operations of supply and demand in their respective spheres.

Syracuse, N. Y.

We were never more surprised than when nine staunch and true Uticans alighted from the Empire State Express on March 7 to try conclusions with us on the bowling alley, and our victory of three straight games gave us equal surprise. They were evidently overtrained, evidencing, as they did, superior work, but the pins would fall like gates ajar. The Utica party consisted of Peter Crowe, W. J. Crowe, Frank Baker, J. C. Spencer, W. Kauffer, Harry Matthews, Chas. Matthews, W. A. Rowland and A. C. Brown. The Syracuse contestants were Alfred Burt, T. Bishop, David Campbell, Geo. Ham, C. A. Fox, Joe Huller, W. Smiley, W. H. Dow, A. Davis and R. Bard. Scores in the first game were: Syracuse, 1005; Utica, 964. Second game, Syracuse, 1044; Utica, 967. Third; well, they had to catch the 12:20 train to go home. The highest score of the evening was made by A. Davis, 180.

A sleighride was enjoyed in the afternoon, twenty inches of "the beautiful" making it good running. The first stop was at L. E. Marquisee's to see the famous Marquis, a wonderful sight indeed; thousands of massive and finely formed flowers in full bloom among a sea of buds. The Syracuse also was in fine array, the flowers being far superior to those shown at Buffalo. White Cloud was also good. Proceeding to Henry Burt's we found that great old florist and market gardener, in his seventy-fifth year, around just the same as ever. After partaking of his hospitality a hurried visit was made to Quinlan's to see Golden Gate and Dunlop's new rose, Lady Dorothea, W. R. Smith, of this firm, receiving the boys courteously. A supper was served at the Bastable.

Trade has been quite a little better since Lent began. Flowers of all kinds are plentiful, with the exception of roses. Bulbous stock goes rather slowly, yellow tulips, daffodils and lily of the valley being the best sellers. There are more yellow teas and functions this season than the red of last year. Golden Gate roses are fast becoming favorites, the extras on long stems bringing 75 cents each at retail. R. B.

OBITUARY.

W. W. GREENE.

W. W. Greene, the oldest florist of Watertown, N. Y, and for some years retired, died quite suddenly on March 8. He was an octogenarian and was born in the city in which he spent his long and useful life. In 1852 he married Miss Elizabeth Ingham, of Redwood, who survives him with two sons and two daughters.

ARCHIBALD MIDDLEMASS.

Archibald Middlemass, one of Milwaukee's pioneer florists, died March 15, of pneumonia. He had been ailing for three years with bronchial trouble, which prevented his usual activity and no doubt was the cause of what appeared to be a sudden closing of a long career. He is survived by his wife, two sons and two daughters. Mr. Middlemass was born in Edinburg, Scotland, fifty-eight years ago. He was first known in Milwaukee as gardener to David Ferguson, with whom he remained until shortly after Lee's surrender, when he formed a co-partnership with John M. Dunlap, who had what were then known as the Rose Hill Nurseries, opposite Forest Home Cemetery. After a few years he took a piece of land adjoining Mr. Dunlap's, where he has lived and done business ever since. For a time he had as a partner Alexander Laine who was for a long time superintendent of Forest Home Cemetery. Four years ago he purchased a large plant for roses and carnations known as the Duester place; this proved a decided financial failure and was very disheartening. Mr. Middlemass was a plantsman particularly, but in those days when each florist had to do everything, he held his end up to equal any. He has always been quite prominent in the St. Andrew's society, foremost in out-of-door games and had a good voice. He was a leader among the curlers of Wisconsin. The greenhouses are now well stocked and will be managed by his wife and daughter until spring business is at an end; whether they will continue the business later is not yet determined upon. C. B. W.

Catalogues and Cut Flower Price Lists Received.

Ellwanger & Barry, Rochester, N Y., trees, shrubs and plants; L. E. Archias Seed Co., Carthage, Mo., seeds; Phœnix Nursery Co., Bloomington, Ill., trees, shrubs, plants and bulbs; Emma V. White, Minneapolis, Minn., flower seeds; Fick & Faber, San Francisco, Cal., carnations, roses, chrysanthemums and violets, wholesale; Theo. Bock, Hamilton, O., chrysanthemums; Cooke & McCord, Tarrytown-on-Hudson, N. Y., trees, shrubs, plants and seeds; C. H. Joosten, New York, N. Y., bulbs, plants and seeds; John W. Hall, Marion Station, Md., fruit plants; F. G. Pratt, Concord, Mass., trees, shrubs and herbaceous plants, wholesale; Geo. M. Carter, Evergreen, Ala., decorative evergreens; Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea, Cal., plants, seeds, and bulbs; C. Keur & Sons, Hillegom, Holland, bulbs and plants; E. C. Amling, Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., cut flowers, seeds and bulbs; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; J. B. Deamud, Chicago, Ill., cut flowers; McKellar & Winterson, Chicago, Ill., cut flowers and seeds; James J. H. Gregory & Son, Marblehead, Mass., seeds; John D. Imlay, Zanesville, O, seeds and plants; Thomas Meehan & Sons, Germantown, Philadelphia, Pa., trees, shrubs and plants, wholesale; The Wm. H. Moon Co., Morrisville, Pa., trees, shrubs and plants; LaPorte Nursery, LaPorte, Ind., trees shrubs, and vines, wholesale; L. J. Farmer, Pulaski, N. Y., fruit and berry plants; Vick & Hill Co, Rochester, N. Y., bulbs, plants and roots, wholesale; J. N. Kidd, St. Joseph, Mo., plants and cut flowers.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By good all-around grower; married. ADAM BALMER, Vincennes, Ind.

SITUATION WANTED—As working foreman, roses, carnations and general stock. Address A B C. care American Florist.

SITUATION WANTED—By a first-class florist, competent to fill any position, commercial or private. Address A B, P O Box 131. West Orange, N J.

SITUATION WANTED—By a good grower of roses and carnations; 18 years' experience; single; American, 32 years of age. State wages. Address R C. American Florist, Chicago.

SITUATION WANTED—By thoroughly reliable all-around grower; competent to fill any position in either commercial or private place. Address W E. 3530 Michigan Ave., Chicago.

SITUATION WANTED—By experienced florist; good designer and decorator. Roses, 'mums, carnations, violets specialties. 20 years' practical study. Best of references. Address FLORIST. 1021 W. Third St., Canton, Ohio.

SITUATION WANTED—By young German, seven months in this country. Competent grower of cut flowers and experienced plantsman and landscape gardener. Address JAC. SCHNEIDER. care American Florist, Chicago.

SITUATION WANTED—By a first class all-around florist; 7 years' experience. Good grower of roses, carnations, 'mums, etc., and general stock. German, single, age 23. State wages. Address ROSES, 5807 N. 24th St., Omaha, Neb.

SITUATION WANTED—By a practical grower of palms, ferns and cut flowers also decorator; on private or commercial place; married man, no children. References as to character and ability. Address D W, care American Florist.

SITUATION WANTED—April 1st, by competent florist and landscape gardener; single, age 35; all branches of floriculture, forcing of vegetables, etc. Public institution or private place. Good recommendations. Address PERMANENT, care Am. Florist.

SITUATION WANTED—By first-class grower of high-grade cut flowers, roses Beauty and Teas, carnations, 'mums, violets and bulb stock as working foreman or to take charge of section; 15 years' experience. Best of references. Address BEAUTY, care American Florist.

SITUATION WANTED—As foreman or manager on commercial place, or head-gardener on private place; 25 years' experience in general gardening. Orchids, palms, ferns, roses, carnations, 'mums, etc. Best of references. Address B. W. J Stewart, 67 Bromfield St., Boston, Mass.

SITUATION WANTED—By a middle aged English landscape gardener, on private or commercial place. A No. 1 propagator; thoroughly understands the growing of stove plants, and could take charge of a small commercial place. No cows or horses. Apply to ALFRED HUMPHREYS, Beran St., Cohoes, N Y.

WANTED—Florist and gardener on small commercial place in Maine. For particulars, address FLORIST, Augusta, Me.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS. B. BULL, Bakersfield, Cal.

WANTED—Vegetable gardener all the year round, for greenhouse and field. Address Box 141, Station 1, Des Moines, Iowa.

WANTED—A capable unmarried gardener, with references. Must have had experience with orchids and greenhouses. Y Y, care Am Florist.

WANTED—A copy of issue No 4, October 1, 1885, volume 1 of the AMERICAN FLORIST, in good condition. Address S S, care American Florist.

WANTED AT ONCE—Two men, one to care for section of greenhouse, the other as a helper. Steady position. GEO REINBERG, 301 Balmoral Ave, Chicago.

WANTED—Second man, single to grow carnations; wages $45.00 per month with room and board. References required. State experience. Address T R care American Florist.

WANTED—Immediately, good florist, single. Good chance for right party. Send references and wages expected with board and room. AUG. SMITH, Muscatine, Iowa.

WANTED—A florist for general greenhouse work; must be sober, industrious and trusty. Wages $25 00 per month and board. Send references I. L. PILLSBURY, Galesburg, Ill.

WANTED AT ONCE—A young man, with some experience in greenhouse work; must be willing to take care of horse. Address FRED J. KING, 220 Madison St., Ottawa, Ill.

WANTED—An experienced man, single, who can grow first class cut flowers and plants for retail trade. Send references and wages wanted with board and room, to A M. YORK, Hancock, Mich.

WANTED—Young man for general greenhouse work in a large cut flower establishment. Board and lodging furnished. Address J. M. GASSER, Euclid Ave., Cleveland, O.

WANTED—Landscape and vegetable gardener for gentleman's place near Milwaukee. Single. References needed. State experience F. W. VON COTZHAUSEN, Milwaukee, Wis.

WANTED TO LEASE—10,000 to 12,000 feet of glass suitable for growing cut flowers for wholesale market, with option of buying. West of the Mississippi preferred. RENTER, care American Florist.

WANTED—At once, a young man, German; must be sober and reliable, for general greenhouse work. Wages $15 per month with board and room. Work easy; place steady all the year round. Address J. RINDFLEISCH, Beloit, Wis.

WANTED—A rose grower who thoroughly understands growing A No 1 stock. The right party will have a good position. First-class references required. Address M K, care American Florist.

WANTED AT ONCE—A competent, single man—German preferred—to take charge of 20,000 feet of glass in roses, carnations and general stock, doing wholesale and retail business. Wages $30 per month and board. None but a live man need apply. Address Box 178, Sharon, Pa.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness. Write quick. FREE FUEL care Am. Florist.

FOR SALE—Lebanon Green houses and residence; established business, no competition; houses stocked. Failing health compels sacrifice. Write for particulars. NEAL & Co., Lebanon, Ind.

FOR SALE—Established florist business with or without 7-room dwelling, in a good Indiana town; no competition within 20 miles. Will bear investigation. Address WABASH, care American Florist.

FOR SALE GREENHOUSE PLANT, established retail trade, well stocked, in fine condition. Good reasons for selling. For particulars, address

GEORGE KENDALL, Muncie, Ind.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land; 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

To Lease,

12 Greenhouses, about 60,000 feet of glass. Filled with palms, roses, carnations and miscellaneous stock.

Business established 17 years, and will be leased to responsible parties only, April 1st. All stock to be sold by inventory. Located within 50 miles of New York City. Address

JOHN YOUNG, 51 W. 28th St., New York.

FOR SALE

102 acres fine land, part cultivated	$2,800.00
Lot 52x241, four greenhouses, sheds, etc	3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain	3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling	4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc	6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business	7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling	9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

When corresponding with advertisers, mention the AMERICAN FLORIST.

Omaha.

Business is good and stock is somewhat more plentiful, as we are having the finest of weather, in fact almost too good for the violets. Lilies are looking well and the indications are that Easter will eclipse all previous records. This has been a good season, as prices have held up better than in former years and everything was readily disposed of.

GRIPPE.

PORTLAND, ME.—Jas. Fyles & Son have bought a greenhouse from S. C. Dennett.

Wholesale Flower Markets

CINCINNATI, March 15.

Roses, Beauty, select	30 00
" " medium	10.00
" Bride	5.00@ 7.00
" Bridesmaid	5 00@ 7 00
" Meteor	5.00@ 7.00
" Perle	4 00@ 6 00
Carnations	1 00@ 1 50
" fancy	2 00@ 3 00
Lily of the valley	3.00
Violets	50.@ .75
Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Callas	10 00@12 50
Harriall	10.00@12 50
Daffodils	3 00
Tulips	3.00@ 4.00
Asparagus	50 00
Smilax	12.50@15. 0
Adiantum	1.00
Common ferns	.20
Galax leaves	.15

ST. LOUIS, March 15.

Roses, Beauty	10.00@15.00
" " fancy	20.00@30 00
" Bride, Bridesmaid	6.00@10.00
" Meteor	4 00@ 8 00
" Perle. Wootton	4 00@ 5 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4.00
Violets	.30@ .50
Narcissus	3.00
Romans	2 00@ 3.00
Callas	10 00@12.50
Harriall	10 00@12 50
Tulips	2 00@ 4 00
Freesias	1 00@ 2 00
Smilax	12.50@15 00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Sweet peas	.50@ 1.00

MILWAUKEE, March 15.

Roses, Beauty, long ..... per doz.	4.00@ 5 00
" " medium " "	1 50@ 2.00
" " short " "	1.00@ 1 50
" Bride, Bridesmaid	6 00@ 8 00
" Perle	4 00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations, ordinery	1 00@ 1 50
" fancy	3.00@ 4.00
Violets	.50@ 1.00
Roman hyacintha	3 00
Daffodils	2 00@ 3 00
Mignonette	2.00@ 3.00
Adiantum	1.00@ 1 50
Common ferns	25
Smilax	15.00@18.00
Asparagus	75.00
Galax leaves	.20

PITTSBURG, March 15.

Roses, Beauty	3.00@50 00
" Bride, Bridesmaid	4.00@12.00
" Meteor	4.00@12.00
" Kaiserin	4 00@12.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6 00
Carnations	1 50@ 4.00
Lily of the valley	2 00@ 4.00
Violets, double	.25@ .75
" California	.30@ .50
Daffodils	2.00@ 3.00
Roman hyacinths	1 50@ 3.00
Harriall	12 00@15.00
Freesias	1 50@ 2 00
Tulips	2.00@ 4.00
Pansies	.75@ .00
Daisies	1.00@ 2 00
Mignonette	1.00@ 3 00
Smilax	12 00@15.00
Wild Smilax ..... per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax leaves	.15

DENVER, March 14.

Roses, Beauty, select	32.00@48.00
" " ordinary	10.00@20.00
" Bride, Bridesmaid	4.00@ 8.00
" Meteor	4.00@ 8.00
" Perle, Wootton, Niphetos	4 00@ 6.00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00
Lily of the valley	5.00
Violets	.50@ .75
Callas ..... per dozen	1.50
Harriall ..... "	1.50
Narcissus	3.00@ 4.00
Daffodils	4.00
Tulips	4.00
Sweet peas	1 50
Asparagus	50.00
Smilax	17.00
Ferns	.30
Galax leaves	.20

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CYPRIPEDIUM INSIGNE	.25	2.50

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. ..... per dozen, $1.00
DRACAENA TERMINALIS, nice plants, 2½-in. ..... " 1.00

(*Special prices will be quoted on application for these plants in quantity from the sand.*)

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We are now filling orders IN ORDER OF RECEIPT FOR ROOTED CUTTINGS OF THE FAMOUS

MRS. THOS. W. LAWSON,

The $30,000 Queen of Carnations.

PRICES:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly cash or C. O. D. from unknown parties.

The quoted prices are for THE TRADE ONLY and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

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GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,

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Consignments Solicited. Special Attention Given to Shipping Orders.

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HARDY Cut Ferns!

$1.00 PER 1000.

GALAX LEAVES.....$1.00 per 1000
BOUQUET GREEN.....4 cts. per lb.
SPHAGNUM MOSS.....75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order.....3 to 8 cts. per yd.
XMAS TREES, both Spruce and Balsam, for decorations, from 4 to 20 ft. Price very reasonable.
BAILED SPRUCE, for cemetery use, etc., etc.

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SUCCESSOR TO ILLINOIS CUT FLOWER CO.

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ORCHIDS: CATTLEYAS, $6.00 per dozen.

	Per Dozen.	
AM. BEAUTIES, Ex. long	$5.00 to	$6.00
" 24-inch stems,	3.00	
" 20 " "	2.50	
" 15 " "	2.00	
" 12 " "	1.25	
	Per 100	
CARNATIONS, fancy	$3.00 to	$4.00
" standard vars. asst.	1.00 to	1.50
BRIDES	6.00 to	8.00
BRIDESMAIDS	6.00 to	8.00
METEORS	6.00 to	10.00
PERLES	4.00 to	6.00
VALLEY	3.00 to	4.00
TULIPS	2.00 to	4.00
LIL. HARRISII	10.00 to	12.50
CALLA LILIES	10.00 to	12.50

	Per 100.	
DAFFODILS	$	$3.00
VIOLETS, double		1.00
" single		.50
ROMANS	2.00 to	3.00
NARCISSUS	2.00 to	3.00
ADIANTUM		1.00
ASPARAGUS		
SMILAX	$1.50 per doz.	12.50
GALAX Green or Bronze, $1.25 per M.		.15
FANCY FERNS	$1.25 per M.	.15
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.		$2.50
No. 2 " 20 lbs.		3.50
No. 4 " 35 lbs.		4.50
No. 5 " 40 lbs.		5.50
No. 6 " 50 lbs.		6.50

☞ Prices subject to change without notice.

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Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

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All stock at lowest possible prices. WRITE FOR CATALOGUE.

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Special express rates to any point east, west, north or south. No matter how large or how small your order, it will receive prompt attention, to-day, tomorrow, or any time you require the best stock in hardy Cut Ferns; write or wire

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500,000 FEET OF GLASS.

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Wholesale Flower Markets

CHICAGO March 16.

Roses, Beauty, extra long stems	4.00@	5.00
" " 30 inch "	3.00@	3.50
" " 24 " "		2.50
" " 20 " "		2.00
" " 15 " "		1.50
" " 12 " "		1.25
" " 8 " "		1.00
" Bride, Bridesmaid.	5.00@	8.00
" Perle	4.00@	6.00
" Meteor	5.00@	8.00
" La France	6.00@	8.00
" Golden Gate	6.00@	10.00
Carnations	1.50@	2.00
" fancy	3.00@	4.00
Violets, double	.50@	1.00
" single	.40@	.50
Lily of the valley	3.00@	4.00
Cattleyas per doz.	4.00@	6.00
Dendroblums "	3.00	
Lilacs "	.75@	1.00
Mignonette	1.00@	2.00
Roman hyacinths	1.00@	2.00
Dutch hyacinths	4.00@	10.00
Narcissus	3.00@	4.00
Harrisii	10.00@	12.00
Callas	8.00@	10.00
Freesias	1.00@	3.00
Tulips	2.00@	4.00
Adiantum	.50@	1.00
Common ferns		.15
Fancy ferns		.20
Smilax	8.00@	10.00
Asparagus	50.00@	60.00

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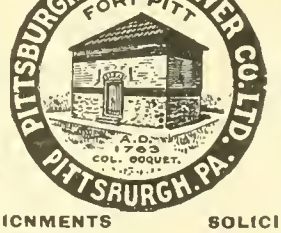

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NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

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New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

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Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

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Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, March 14

Roses, Tea	4.00@8.00
" " extra	10.00@12.00
" Beauty, extra	40.00@50.00
" " firsts	20.00@35.00
" " seconds	6.00@12.00
Carnations	1.50@2.00
" fancy	2.00@4.00
Lily of the valley, Romans	3.00@4.00
Violets	.50@1.00
Daffodils	3.00@4.00
Mignonette	2.00@4.00
Asparagus	.50
Smilax	15.00@20.00
Adiantum	1.00@1.50

BOSTON, March 14.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20.00
" " culls	2.00@5.00
" Bride, Bridesmaid, Meteor	4.00@6.00
" " extra	8.00@12.00
Carnations, ordinary	1.00@2.00
" fancy	2.00@4.00
Lily of the valley	2.00@3.00
Violets, single and double	.30@.50
Daffodils	2.00@3.00
Longiflorums	10.00@12.00
Callas	6.00@8.00
Freesias	.50@1.00
P. W. narcissus, Roman hyacinths	1.50@2.00
Mignonette	3.00@4.00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

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Also Dealer in Florists' Supplies & Wire Designs.

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A complete line of Wire Designs.

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Consignments of Choice Valley and Roses solicited.

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Consignments of Roses, Carnations, Violets solicited.

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3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

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444 Sixth Ave, PITTSBURG, PA.

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Consignments of Roses, Carnations and Violets Solicited.

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ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

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22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
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Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
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THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
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FRANK MILLANG,
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WHOLESALE COMMISSION,
408 E. 34th Street,
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N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
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At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, March 14.

Roses, Beauty select	30.00@35 00
" " medium	10.00@20 00
" " culls	2 00@ 5 00
" Bridesmaid, Bride, Meteor	2 00@ 6 00
" " " Select	8 00@10 00
Carnations	1 00@ 1 50
" fancy	2.50@ 5.00
Lily of the valley	1 50@ 3 00
Violets	.25@ .50
Romans hyacinths, P. W. narcissus	1 00@ 1.50
Yellow narcissus	1.00@ 2 00
Mignonette	2.00@ 5.00
Sweet peas	1 00@ 1 50
Callas	6 00@ 8.00
Harrisii	10.00@12.00
Lilac	per bunch .50
Freesias	50@ .75
Cattleyas	30.00@50 00
Smilax	10 00@15 00
Asparagus	35 00@50.00
" Sprengerii, per doz. bunches	1@1 50
Adiantum	.50 .75

BUFFALO, March 15.

Roses, Beauty	5.00@60 00
" Bride, Bridesmaid, Meteor	4 00@10 00
" Perle, Niphetos	3 00@ 6.00
" Kaiserin	6 00@ 8.00
Carnations, ordinary	1 00@ 2 00
" fancies	3.00@ 4.00
Lily of the valley	3 00@ 4 00
Violets	.50@ 1 25
Mignonette	2.00@ 4 00
Daffodils	3 00@ 5 00
Roman hyacinths	2 00@ 4 00
Harrisii	13 00@16 00
Callas	8.00@10 00
Tulips	3.00@ 5 00
Smilax	15 00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	15
Asparagus	50 00@75.00

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WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
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Telephone Call, 1304 Madison Sq.
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M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
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ROSES. VIOLETS.
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CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

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where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square
.....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

MAIL trade houses in the northwest report trade good the past week.

J. B. AGNEW, the California seed grower, is making an eastern trip and visited Chicago March 16.

IT is noticeable this season that the general literary magazines are carrying more seed advertisers than usual.

THE Nebraska Seed Co., of Omaha, Neb., is reported slightly damaged by water and smoke. Loss covered by insurance.

THE wholesale trade is slow, dealers being inclined to get sight of the bottom bags of their present stocks before buying any further supply. Some scarce items are weaker in price.

IT is reported that the lowest bidder on the government seed order has declined to comply with the contract conditions and that the two next lowest are now being considered.

SHREWD buyers of Dutch bulbs are inclined to delay their purchases believing that English growers who use Dutch stock largely will not buy as heavily as usual this season, and in consequence lower rates must prevail later.

New Orleans.

FLOWER SHOW IN APRIL.—A MATTER OF RESTRICTING EXHIBITORS. — SEEN AT AUDUBON PARK.—BUSINESS GOOD.

The committee of arrangements has decided that the flower show will take place on April 18, four days after the opening of the state fair. Cash prizes amounting to $450 will be given. A discussion was raised at the last meeting of the committee to decide if a florist had the right to enter for competition a plant which was not raised by himself. Of course the south draws a large amount of plants from the north and the north also sends all over the world for its stock, but at the same time it seems to not be proper to have a plant from outside entered for exhibition without its having been in the exhibitor's possession for at least a certain length of time. Now the question is, how could that be prohibited? The only thing was to instruct the judges to give the preference to the home grown stock.

Our parks are in good order and improving all the time. At Audubon Park, under the care of E. Baker, the large greenhouses are full of exotic plants, growing in full ground, most of them reaching the top glass fifty feet high. The smaller greenhouses are full of potted plants which soon will adorn the ground outside. Near the experimental station, which is under the direction of the state, there is a large nursery. Palms and half exotic plants are raised there in quantity. Phœnix Canariensis seems to be the only palm one can rely on.

Business is now quite brisk. Some florists report better trade than for many years. Last Sunday the market was loaded with plants, which found good sale, good geraniums in 5-inch pots selling early at 25 cents.

J. B. Heiss, of the Exotic Nurseries, Dayton, Ohio, was in town for the Mardi Gras, and took many orders for his plants.

M. M. L.

...Our New March 1st...

MARKET GARDENERS' AND FLORISTS' WHOLESALE CATALOGUE

Is now ready, and if you do not receive a copy by mail, write for it.

Special Offer of... Bulbs.

	Per doz.	Per 100
Begonia, tuberous rooted, single, mixed	35c	$ 2.00
" " " rose, crimson, scarlet, pink, yellow and white	40c	2.50
Caladium Esculentum, small size		3.50
" " medium size		6.00
" " large size		12.00
Gloxinias, choice mixed	50c	3.50
Tuberoses, double Pearl No. 1...Per 100, 85c; Per 1000, $6.50		

JOHNSON & STOKES, 217 & 219 Market St., Philadelphia.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of CHOICE FLOWER SEEDS FOR FLORISTS is now ready. A post-card will bring it to you.

We have still on hand some of our LILY OF THE VALLEY PIPS, the finest that come to this country. Per 1000, $10; cases of 3000 at $9 per 1000

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Please mention the American Florist when writing.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Please mention the American Florist when writing.

Tuberous Begonias, single, five separate colors extra fine large bulbs, ½-inch, per 100, $2.50. Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs per 100, $3.00. Cannas in choicest sorts, $2.00 to $8.00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Spreng. ri seed, 100 75c; 1000 $6.00. Asparagus P. Nanus (TRUE) 100 $1.00; 1000 $9.00. Latania Borb. 100 40c; 1000 $2.50. Pandanus Utilis, 100 $1.25; 1000, $10.00. Cocos Wedelliana, 100 $1.00; 1000 $7.50. Send for our NEW spring list. Address H. H. BERGER & CO., 47 Barclay St., N. Y.

Always mention the American Florist when you order stock.

Gardening Under Glass

Try Watson's for SELECT STOCKS of Tomato and other seeds for forcing. You will not be disappointed. 23 years' experience behind every order filled.

	Packet.
TOMATO, Sutton's Best of All	$0.15
Lorillard, originator's stock	.15
Mayflower, extra selected	.15
Frogmore, Veitch's original sealed packets	.60
LETTUCE, Big Boston, extra select	.15
CUCUMBER, Extra Early White Spine, special	.10
English varieties	.25
RADISH, Scarlet Ball, white tip, extra early	.10
CAULIFLOWER, Extra Early Erfurt, special	.50
MELONS, English varieties	.25

MUSHROOM SPAWN, my celebrated "W. P." brand, best in the world, 10 lbs. for $1.00. Sample brick, postpaid, for 25c.

RHUBARB ROOTS, Myatt's Linnæus, $2.00 per dozen.

GRAPE VINES, for graperies, 30 varieties. 1-yr., 75 cts; 2-yr., $1.50 each.

Bailey's Forcing Book The latest up-to-date work on forcing vegetables; full instructions how to grow Tomatoes, Cucumbers, Lettuce and all other vegetables under glass, 226 pages, 88 illustrations, price $1.00, postpaid. C. J. Pennock says: "It would have saved us dollars and dollars if we could have had it a few years ago." Every grower should possess this book. Stamps acceptable for small orders. Correspondence solicited.

GEO. C. WATSON, Seedsman,

Importer and Exporter of GRASS and GARDEN SEEDS, BULBS, Mushroom Spawn, Raffia, Fertilizers and Forcing Stock.

Office & salesroom, Juniper St. below Walnut, PHILADELPHIA, PA.

Please mention the American Florist when writing.

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Special Spring Number of the American Florist

TO BE ISSUED MARCH 31.

Forcing Bulbs

FOR SEASON OF 1900.

ARE YOU A BULB BUYER?

No doubt you will soon be approached by Hollanders, Britons, Frenchmen and men of other nations, all of whom will be anxious to supply you with bulbs, and a great many of whom will promise you "anything under the sun" in order to clinch your order.

We are also in the bulb business, and while we are not making any rash promises, we believe we can prove to you that it will be to your advantage to place your order with us.

We shall be glad to name our prices on receipt of a list of your probable wants.

LATANIA BORBONICA SEED just received, per lb. 60c.; 10 lbs. $5.00; 100 lbs. $45.00.
(One pound contains about 250 seeds.)

OUR Specialties
HIGH GRADE Forcing Bulbs, Azaleas, Etc., Etc.

CHICAGO: 84-86 Randolph St. **VAUGHAN'S SEED STORE,** New York: 14 Barclay St.

FORGET-ME-NOT, winter blooming, from flats, $1.50; 2¼-in. $2.00; 2½-in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100. Per 100
PARIS DAISY, white, R. C. $1.00; flats.....$1.50
DOUBLE A YSSUM R. C. $1.00; flats..... 1.50
VARIEGATED VINCAS, from flats..... 1.50
All plants in flats strong and well established, ready for 2½ or 3-inch pots. Cash with order, please.
CHARLES S. DUTTON,
85 West 12th Street. HOLLAND, MICH.

PANSIES ..THE.. JENNINGS STRAIN

FINE PLANTS. Many are curled and fringed, 60c per 100 by mail; $3.50 per 1000 by express. Large plants in bloom, ready April 1, $1.50 per 100. Seeds, $1.00 per package. Sample blooms sent to those wanting plants. Cash with order.
E. B. JENNINGS, Lock Box 254, Southport, Conn.
GROWER OF THE FINEST PANSIES.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**
W. P. PEACOCK, Atco, N. J.

Asparagus Sprengerii.

Extra fine Stock from 3-in. pots, ready for a shift. $8.00 per 100.
NATHAN SMITH & SON, Adrian, Mich.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

BEGONIA CALEDONIA
The White Lorraine
We are now booking orders for fall delivery.
Plants from 3½-in. pots,
$5.00 EACH.

R. & J. FARQUHAR & Co.
16 and 19 S. Market St.
BOSTON, MASS.

HEADQUARTERS FOR
Palms & Ferns.
Fine, clean, home grown stock, grown cool. Give us a trial and be convinced.
Write for Price List. **J. B. HEISS,**
The Exotic Nurseries, DAYTON, OHIO.

CANNAS, Mme. Crozy, Charlotte, Burbank, Paul Marquant, A. Bouvier, $1.50 per 100. **Stocks,** German Ten Weeks, $1.50 per 100. **Pansy,** Vautier's Mammoth, $3 per 1000. Bellis per. fl. pl. and **Myosotis** Victoria, $4 per 1000.
Shellroad Greenhouse Co., Grange P. O., Balto., Md.
Please mention the American Florist when writing.

New Ever-Blooming Geranium
AMERICA
Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gloire de Lorraine.
Floriferousness Phenomenal
Strong plants, 50c each; $5.00 per doz.

MARS 2¼-inch pots, $5.00 per hundred.
Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden, Southey, etc., for $2.00. One **America tree** with each set. Plants guaranteed A1 in every respect. CASH, PLEASE.
H. EICHHOLZ, Waynesboro, Pa.

Petunia Perle of Savoy
BEST DOUBLE PURE WHITE, STRONG GROWER.
2½-in., ready for 4-in.....per 100, $3.00
2-in..... " 2.00
Chrysanthemums Bard, Pacific Weeks, Bassett and Bonnaffon, 2½-in., strong per 100, 2.50
Agathaea Coelestis (blue daisy), strong, 2-in., per 100..... 2.00
MRS. A. L. MYERS, Bluffton, Ind.

PANSIES!
Giant mixed or in colors, Bugnot, Cassier, Odier and Trimardeau, extra fine, stocky plants, 50c per 100, $2.50 per 1000, $10.00 per 5000. Extra large plants in bud and bloom, $1.00 per 100, $8.00 per 1000 **AZALEAS!** nice plants to grow on, 4-in pots, in var., $18 per 100, $2.25 per doz; 3-in, $8.00 per 100. Cash with order.
HENRY ERNST & SON, Washington, Mo.

PETUNIAS, DOUBLE FRINGED
A good collection of money-makers
Strong plants from 2-in. pots, $2.00 per 100.
E. I. RAWLINGS, Quakertown, Pa.

Do not hide your light under a bushel. Tell the people what you have for sale.

GARLAND'S IRON

THIS IS EXACT SIZE
IRON GUTTER AN
LENGTH OF SE
WEIGHT OF S
CARRYI
40

THIS GUTTER WILL SA
STRUCTION AS WELL AS

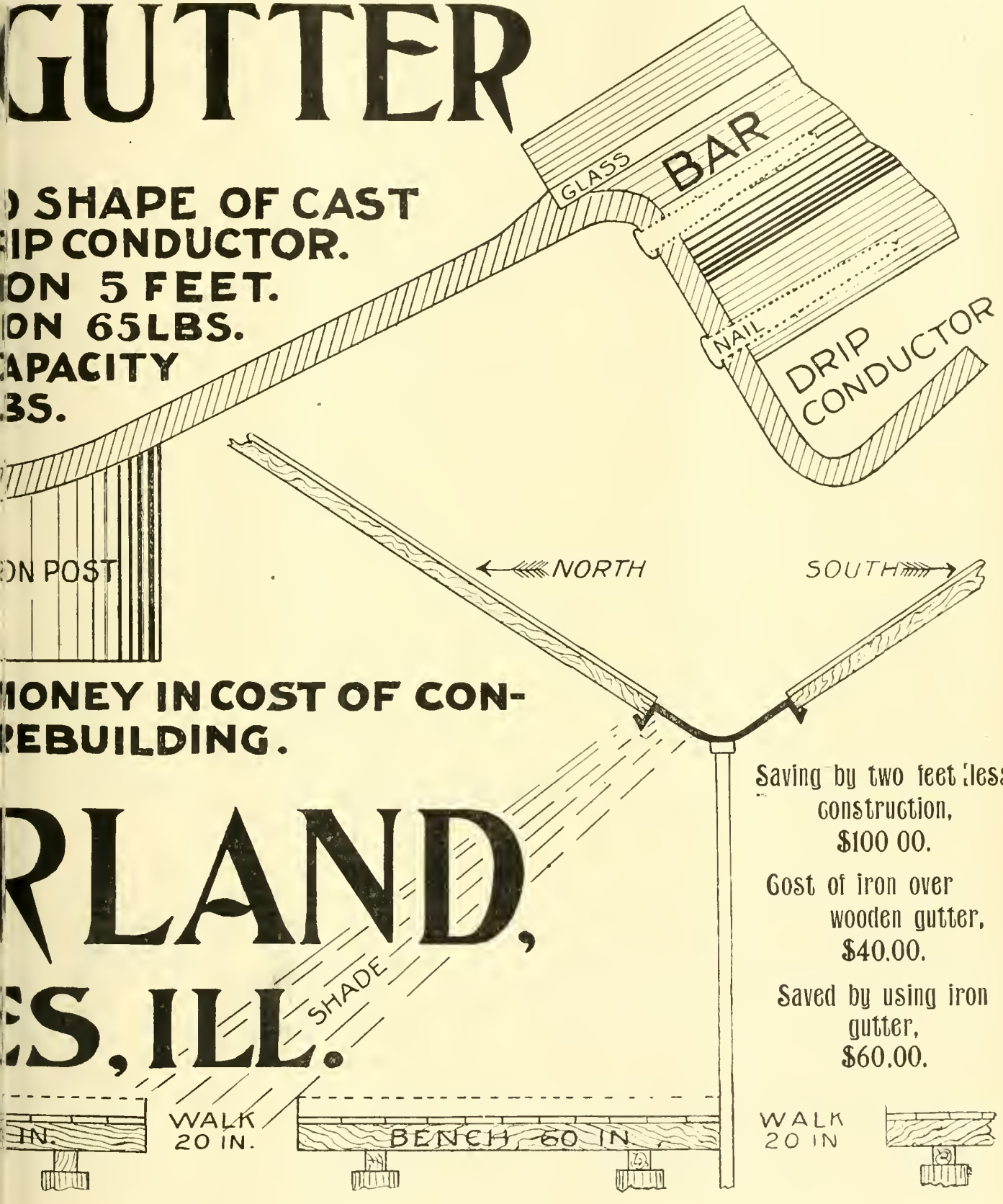
GEO.M.GA
DESPLAIN

This illustrates a 20-ft. house containing three-fourths bench space. Ordinarily 15
20-ft. house, thereby savi

I have arranged to furnish side plates for outside walls and

GUTTER

) SHAPE OF CAST
IP CONDUCTOR.
ON 5 FEET.
ON 65LBS.
APACITY
3S.



IONEY IN COST OF CON-
REBUILDING.

RLAND,
S, ILL.

Saving by two feet less construction, $100 00.

Cost of iron over wooden gutter, $40.00.

Saved by using iron gutter, $60.00.

nch requires a 22-ft. house. Note that 15 ft. of bench space is provided for in above of construction, or $100.00.

ected houses, constructed on the same plan as Valley Gutter.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

ACCORDING to the *Garden*, the London parks occupy approximately 17,000 acres.

PROF. E. S. GOFF, of Madison, reports root-killing of nursery stock in Wisconsin this winter.

IN 1894 we exported $115,590 worth of nursery stock to Canada; in 1898, $36,862 worth.

I. E. ILGENFRITZ & SON, Monroe, Mich., say that the outlook for trade in nursery stock of all kinds is remarkably good.

NOT all Canadian nurserymen favor the law excluding stock grown in the United States. A. W. Graham, of St. Thomas, is one of these.

IT is the better policy to buy good, thrifty trees at a fair price than inferior stock at a less figure. Fancy prices are equally to be avoided.

ZEIGLER BROS. are going into the nursery business on quite an extensive scale at St. Elmo, Ill. They hope to plant 100,000 fruit trees this spring. Chas. Little is the manager.

MOST nurserymen, and all the large ones, are in full accord with the purposes of legislators who are enacting laws for the protection of the planter, but they believe that there is a limit to the necessity for restriction.

NEW YORK now has a law making the standard fruit package one quart or sixty-seven cubic inches and providing a penalty for violations unless the the smaller package is marked "short" in letters at least one-half inch high.

THE Congressional committee on agriculture has so amended the federal inspection bill that it does not take precedence over the diverse state laws, thereby defeating the very purpose for which the bill was devised and losing for it the support of the men who have been pushing it for two years.

American Grape Vines in Europe.

According to an Associated Press message, dated Strasburg, March 5, the government of Alsace Lorraine has declined to grant the petition of the vine growers of the Reichsland that they be permitted to import American grapevines in order to renew their ruined vineyards. Baron Zorn von Bulach, secretary of state for agriculture, declared on the floor of the landtag that the American vines brought into the country are worse blights than phylloxera.

NEW SHELLBARK--HICKORY NUT,
"Hornor's Special."
RARE EVERGREEN TREES
200 000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.
CHAS. B. HORNOR & SON, Mt. Holly, N. J.

Ampelopsis Veitchii 2 yr. strong	Per 100	$ 7.00
Clematis Jackmanni, 2 yr. extra strong,	"	14.00
Standard Hydrangea P. G., 3—3½ ft.	"	18 00
" Lilacs, assorted, 3—4 ft.	"	10.00
" Japan Snowball, 3½—4 ft.	"	18.00

These prices are good only until surplus is reduced. SEND FOR LIST OF OTHER STOCK —Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees.
JACKSON & PERKINS CO., NEWARK, NEW YORK.

DORMANT ROSES

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes } 100, 20.00
2 year old Budded stock, 3 ft. canes Doz., $2.00 100, $15.00

Kaiserin A. Victoria, 2 year budded....100, $15.00 | Hermosa, extra strong Holland grown
Mad. Caroline Testout, 2 year budded... " 15.00 | 2 year Own roots.....100, $13.00

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jacq.	John Hopper.	Baron Bonstetten.	Paul Neyron.
Coquette des Alpes.	Mad. G. Luizet.	Anne de Diesbach.	Magna Charta.
Ulrich Brunner	Prince C. de Rohan.		

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild.	Mad. G. Luizet.	Malmaison.	La France.
Gloire Lyonnaise.	Mrs. John Laing.	Fisher Holmes.	Coquette des Alpes.
Marie Baumann.	Prince C. de Rohan.	John Hopper.	Giant of Battles.
Paul Neyron.	Capt. Christy.	Mad. Chas. Wood.	Gen. Washington.
Boule de Neige.	Anne de Diesbach	Perle des Blanches.	Mabel Morrison.
Baron Bonstetten.	Magna Charta	Gen. Jacq.	Marshall P. Wilder.
Ulrich Brunner.			

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.
14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

50,000 **MANETTI.** 50,000

I have some very fine Irish and English Manetti Stocks on hand for inside grafting and can make immediate delivery.

$12.00 PER 1000.
Price for quantity on application.

HARRY A. BUNYARD,
42 West 28th Street, NEW YORK.

CLEMATIS PANICULATA & AMPELOPSIS VEITCHII

$40 to $70 per 1000. $35 to $50 per 1000.
We have the above in large quantities, 2 and 3 years old, fieldgrown.

	Per 100		Per 100
Cal. Privet. Prices on application.		Hydrangea P. G., one year	2.00
Arbor Vitæ Am., 15 to 20-in., transplanted last year	$ 2.00	Norway Maple 6 to 7-ft	7.50
Dwarf Box	$1.50 to 4.00	" " 9 to 10-ft., not straight	12.00
Japanese Maple Atropurpureum, 18 to 24-in...	25.00	" " 10 to 11-ft., not straight	15.00
Silver Maple, 8 to 10-ft.	7 00	Foregoing are good for transplanting.	
Horse Chestnut, 5 to 6-ft.	18 00	Cl. Victor Verdier, heavy	6.00
Shrubs	$4.00 to 6.00	Francois Levet, strong, 2 years old, x fine	7 00
Virginia Creeper, 2 years	5.00	Felicie Perpetue	6.00
		Russells Cottage	7.00

Send for Our Wholesale List.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

TREES

Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc.
Our new beautifully illustrated catalogue, replete with practical hints for planters free to regular customers; to others for 10c.
ELLWANGER & BARRY,
Mt. Hope Nurseries, ROCHESTER, N. Y.
Established 60 years.

	Per 100	Per 1000
Sugar Maples, nursery grown, transplanted, good trees, 7 to 9 ft	$10 00	
4 to 6 ft	4.00	$30 00
about 3 ft	3.00	20 00
Soft Maple Seedlings, our gr., 2 to 4 ft.	.75	4.00
Wistaria Magnifica, 3 years, transpl't'd.	3 00	
Hemerocallis Flava (Lemon Lily)	3.00	
White Amaryllis (Ismene Calathina) str.	10 00	
Madeira Vine, No 1	1.50	
" " No. 2	1.00	
" " No. 3	.50	

Cash please. E. Y. TEAS, Creena Fork, Ind.

FRUIT and ORNAMENTAL **TREES**
SHRUBS
VINES
AND ROSES

Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., GENEVA, N. Y.

AMERICAN ELMS.

8 to 10 feet, 1 to 1½ inch caliper.
25 Elms, 6 to 9 inch caliper, fine specimens, with well developed heads.

SEND FOR PRICE LIST.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

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BY LIBERAL ADVERTISING
IN THE PAGES OF THE

Special Spring Number

OF THE AMERICAN FLORIST

TO BE ISSUED THIS YEAR MARCH 31 TWO WEEKS PREVIOUS TO EASTER

A full report of the First Grand Exhibition of the American Rose Society will appear in this issue, with many other features of permanent value.

Copies of this number will be mailed throughout the United States and Canada to every person in the trade whose business is worthy of consideration.

Advertisements in body pages will be taken at our ordinary rates, namely, $1.00 per inch, $30.00 per page of thirty inches, with the usual discount on time contracts.

Advertisements on first and second *Ordinary Cover Pages* sold only on yearly contract, in the usual spaces, at $1.00 per inch, net.

Advertisements on second, third and fourth *Special Cover Pages* (printed on heavy toned paper), $30.00 per page, net.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO, ILL., U. S. A.

☞*In order that you may be given the best possible position and display*

PLEASE MAIL YOUR ADVERTISEMENT NOW.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The attendance at the bowling alleys on Monday afternoon was large and much enthusiasm was displayed, all having a royal good time although scores made by some were of a character to encourage humility rather than pride.

Siebrecht	113	123	Marshall	119	136
T. Lang	134	137	Moody	94	
Hafner	112	173	Shaw	119	
Manda	131	137	Bunyard	111	89
Schultheis	110	116	Stewart	117	109
J. Lang	95	93	Atkins	96	91
Sheridan	91	98	Roehrs		126
Donlan	145	144	Butterfield		110
Thielman	132	142	Burns		129
Traendly	186	155			

At Denver.

The attendance at the alleys on February 20 was rather small but the interest was of the usual character and the contest for the gold medal as lively as ever. Following are the scores:

Player	1st	2d	3d	Av
A. E. Mauff	150	189	199	179
Chas. Mauff	190	180	164	178
John Berry	154	180	170	168
Chas. Franz	163	147	149	153
Michael Bloy	123	160	162	148
Ed. Emerick	132	167	142	147
Geo. Zimmer	160	168	111	146
A. N. Benson	158	143	112	138

The following scores were made on February 27:

Player	1st	2d	3d	Av
John Berry	173	147	203	174
Chas. Franz	172	172	157	167
A. E. Mauff	176	160	117	151
Chas. Mauff	176	132	145	151
M. Bloy	147	131	168	149
Chas. Thiess	107	180	161	149
Geo. Zimmer	139	122	153	135
A. M. Lewis	150	124	125	133
Lyle Waterbury		145	119	132
A. N. Benson	153	98	116	122
Ed. Emerick	115	118	107	113

The following scores were made on the evening of March 6:

Player	1st	2d	3d	Av
John Berry	158	199	2 9	189
A. E. Mauff	189	225	125	180
M. Bloy	142	196	195	178
Robt. Kurth	187	2 3	132	174
Chas. Franz	167	185	168	173
Chas. Thiess	163	180	175	173
Chas. Mauff	168	149	179	165
Ed. Emerick	136	180	121	146
J. A. Valentine	144	113	171	143
A. N. Benson	140	125	157	141
J. Smith	106	144	137	126
Geo. Zimmer	110	123	131	121

J. B.

At St. Louis.

On account of the heavy rain Monday night, March 5, the bowling club was very slimly attended. Following is the score:

Player	1st	2d	3d	4th	5th	Av
Kuehn	183	150	169	130	188	164
Beneke	146	198	134	144	141	133
Weber	128	116	167	106		129

The scores made March 12 were as follows:

Player	1st	2d	3d	4th	Av
Kuehn	192	156	155	179	170
Beneke	149	204	153	162	167
Sanders	177	194	158	129	164
Kunz	146	117	137	162	140
Webber	154	146	104	140	136
Young		111	166	92	123
Filmore	125	121	119	105	117

J. M. H.

At Chicago.

The Chicago bowlers are to get down to practice again anticipatory to winning out at New York in August, and on last Friday evening made the following scores:

Player	1st	2d	3d	Av
Degnan	201	163	182	182
Winterson	185	205	149	180
Swanson	190	187	150	176
Benderson	127	169	172	156
Hunt	138	148	159	148
Kreitling	116	172	133	140

WOODMERE, MICH.—Anton Kaier is preparing to rebuild the three greenhouses which were recently burned, during the tenancy of F. Kolbe, who has now leased the J. G. Krumholz place at Connor's Creek.

GIVE US YOUR ORDER ON

Valley, Roses, Violets,

CARNATIONS, FANCY AMERICAN BEAUTIES, SMILAX, ASPARAGUS, NOVELTY PINK TULIPS, or ANYTHING ELSE IN THE FLOWER LINE.

HOLTON & HUNKEL CO., Milwaukee, Wis.

Please mention the American Florist when writing.

"TIME IS MONEY"

It takes both to learn how, when and where to buy CUT FLOWERS.

We have spared neither to satisfy our customers.

WE CAN SATISFY YOU.

E. C. AMLING,

32-34-36 Randolph St.,

WALTER S. HEFFRON, MGR. ...CHICAGO, ILL.

Please mention the American Florist when writing.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

American Beauty, long	per doz.	$4.00 to $5.00
" " medium	"	2.00 to 3.00
" " short	"	1.00 to 1.50
		Per 100
Bride, Maid, Meteor		$ 5.00 to $ 8.00
Perles		2.00 to 4.00
Carnations, fancy		3.00 to 4 00
" common		1.00 to 2.00
Callas and Harrisii		10.00 to 12.50
Tulips		2.00 to 3.00
Daffodils		2.00 to 3.00
Violets		.40 to 1.00
Smilax		10.00 to 15.00
Adiantum		1.00

CARNATION CUTTINGS.

	Per 100	Per 1000
G. H. Crane	$6.00	$50.00
Mrs. Geo. M. Bradt	5 00	40 00
White Cloud	4.00	30 00
Maceo	6.00	50.00
Gomez	5.00	40.00
Glacier	6.00	50.00
America	5.00	40 00
Gold Nugget	4 00	30.00
Mary Wood	3.00	25.00
Melba	5 00	40.00
New York	3.00	25 00
Mrs. James Dean	3 00	25.00
Mrs. Frances Juost	3.00	25.00
John Young	2.50	20.00
Cerise Queen	2 50	20.00
Jubilee	2 00	15.00
Flora Hill	2.00	15.00
Mayor Pingree	2.50	20.00
Triumph	2.50	20.00
Daybreak	2.00	15.00
Evelina	2.00	15.00
Wm. Scott	2.00	15 00
Albertini	2.50	20.00
Meteor	2.00	15.00
Argyle	2.00	15.00

Best Stock Always Shipped Unless Otherwise Ordered.

KENNICOTT BROS. CO., 42-44 East Randolph St., CHICAGO.

CARNATION CUTTINGS

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H CRANE	5.00	
AMERICA	3.00	25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2 50	20.00
JOOST	2 50	20 00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2 00	15 00
WHITE CLOUD	2.00	15 00
FLORA HILL	1.50	12 50
TRIUMPH	1 50	12 50
VICTOR	1 50	12 50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10 00
McGOWAN	1 00	7.50
PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINA	1.00	7.50
SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
METEOR	$1.50	$12 50
BRIDESMAID	1.50	12.50
PERLE	1.50	12 50
BRIDE	1.50	12.50
GOLDEN GATE	2.50	

All Plants and Cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG

51 WABASH AVE., CHICAGO.

Carnation Cuttings!

WRITE FOR SPECIAL DISCOUNTS AND LET US FIGURE ON YOUR WANTS.

	Cuttings. Per Doz.	Per 100	Per 1000.
Genevieve Lord, the peer of any light pink carnation offered	$2.00	$10.00	$75.00
Chicago, scarlet Bradt, from sand or soil	1.50	7.50	60.00
Mrs. Lawson, cerise pink	3.00	14.00	120.00
Olympia, variegated, extra strong, from soil	2.00	12 00	100.00
Ethel Crocker, pink, from soil	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Estelle		10 00	75.00

	Cuttings. Per 100	Per 1000
Frances Joost pink, fm. sd. or soil	$2.50	$20.00
Mrs. Jas. Dean pink, " "	2.50	20 00
John Young, white " "	2.50	20.00
White Cloud white " "	4.00	30.00
Mrs. Bradt, variegated " "	5.00	40.00
Gen. Maceo, crimson " "	6 00	50.00
Gen. Gomez, crimson " "	6.00	50.00
G. H. Crane, scarlet	6 00	50.00

	Cuttings. Per 100	Per 1000
Gold Nugget, yellow, fm sd. or soil	$2.50	$20.00
Argyle carmine " "	2.50	20.00
Jubilee, scarlet	2.00	15.00
Armazindy, variegated	2.00	15.00
Evelina, white	2.00	15.00
Wm. Scott, pink	2.00	15.00
Daybreak, light pink	2.00	15.00
Flora Hill, white	2.00	15.00

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.50	$20.00
MRS. JOOST	2.50	20.00
TRIUMPH	2 50	20 00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15 00
MRS. McBURNEY	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00

	Per 100	Per 1000
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1 00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50

	Per 100	Per 1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

LA FRANCE, BRIDESMAID, BRIDE, PERLE — 2½-inch plants from pots. Per 100, $3.50; per 1000, $30.00.

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00

	100	1000
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO VAUGHAN'S SEED STORE NEW YORK

I offer the following Carnations, strong transplanted stock.

4000 Triumph at $2.00 per 100, $18.00 per 1000

1500 Wm. Scott at $1.25 per 100, $10.00 per 1000.

500 Lily Dean at $2.00 per 100.

GEO. W. BINSTEAD,

Summit, N. J.

Please mention the American Florist when writing.

MARY A. BAKER AND ANNA C. EASTBURN,

Two best white Carnations I have ever grown. Sandusky, Duke of York and Melba, $3 00 per 100, $40 00 per 1000. Empress and Wellesley, $2 50 per 100, $20 00 per 1000 Flora Hill and Mayor Pingree, $2.00 per 100, $15 00 per 1000. Scott, McGowan, Cartledge Portia, Eldorado and Tidal Wave, $1 50 per 100, $12 00 per 1000. Also Giant Double Alyssum and Double Rudbeckia.

Send for Descriptive Price List.

LOUIS B. EASTBURN, Kennett Square, Pa.

ROOTED CUTTINGS OF NEW AND STANDARD

CARNATIONS

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Pa.

Please mention the American Florist when writing.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

ROSES.	100	1000
American Beauties	$3.00	$25.00
Brides	1.50	12.50
Maids	1.50	12.50
Meteors	1.50	12.50

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Bon Ton	2.00	15.00

Crimson.		
Evanston	2.00	15.00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00

Yellow.		
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.		
Argyle	$1.50	$12.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

CARNATIONS.

LARGE STOCK OF STRONG ROOTED CUTTINGS NOW READY.

G. H. Crane, Morning Glory, Maceo, Glacier, Gomez, America, Red Mrs. Bradt (or Chicago), Mary Wood and other good standard sorts.

Mrs. Geo. M. Bradt for March Delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

Mrs. Thos. Lawson, Ethel Crocker, The Marquis, Olympia and Genevieve Lord. At introductory prices.

We make a specialty of rooted cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. Dorner & Sons Co.,

LAFAYETTE, IND.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McGowan	1.25	10 00
Portia	1.25	10.00
Ivory and Silver Spray	1 00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

THE BEST CARNATIONS.

	Per 100	Per 1000
White Cloud, the best white	$3.00	$25.00
Mrs. Joost, best clear pink	3.00	25.00
G. H. Crane, best new scarlet	6.00	50.00
Gen'l Maceo, best dark crimson	6.00	50.00
Mrs. Bradt, best variegated	4 00	35.00

12 Novelties of 1900. 27 the best Standard varieties. Send for complete list.

GEO. HANCOCK & SON, Grand Haven, Mich.

CARNATIONS

Strong, well-rooted plants, from flats and soil.

Wm. Scott	Per 100 $2.00,	Per 1000	$15.00
Rose Queen	" 2.50,	"	20.00
Eldorado	" 2.00,	"	15.00
Lizzie McGowan	" 1.50,	"	12 00
Mrs. Fisher	" 1.50,	"	12.00
Portia	" 1.50,	"	12.00
Thos. Cartledge	" 2 50,	"	20.00

Our aim is to supply a superior quality of stock only. Cash with order.

W. T. & F P. BUTZ New Castle, Pa.

CARNATIONS

ROOTED CUTTINGS.

Crane $6 per 100, America $5 per 100, White Cloud $4 per 100, Jubilee $2 per 100, Scott, Daybreak, Victor, Flora Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

ROSES, 2-in Pots, Select Stock.

Perle 4c, Brides and Bridesmaids 3c. Send for list of other varieties.

WM. MURPHY, Station F, Cincinnati, O.

PERU

A New Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

ETHEL CROCKER

Absolutely the BEST PINK CARNATION ever offered the trade.

A fact fully borne out by its record, being equally good with Craig, Hill and myself (an assurance that it is not a success in one soil and a failure in another). By its having been shown at the flower shows and clubs since early in September (an assurance that it is not a good late carnation but an all season variety). In color, size, fragrance and stem it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July. With **18 000 stock plants** to work from there is no danger of it being overpropagated, and all orders entrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock. Honest sample blooms furnished, prepaid, at $1.00 per dozen—amount deducted from all orders for 100 or over. Up to date, every sample, excepting one, out of several hundred sent, has brought an order.

Price per 100, $10; per 25, $2.50; per 1000, $75; per 250, $18.75. HERR'S PANSIES, good little plants, at 75 cts. per 100; $4.00 per 1000.

Price list of standard vars. ready now. **ALBERT M. HERR, Lancaster, Pa.**

CARNATION CUTTINGS.

We have all the new and standard varieties.

Write for prices. **WEILAND-RISCH FLORAL CO., Evanston, Ill.**

Grafted Roses A NO. 1 STOCK

ORDERS BOOKED NOW.

BRIDE, BRIDESMAID, GOLDEN GATE, KAISERIN, METEOR—2½-in. pots, $12.00 per 100, $90.00 per 1000.

Own Roots WOOD FROM GRAFTED STOCK ONLY.

BRIDE, BRIDESMAID, KAISERIN, METEOR, BON SILENE—2¼-in. pots, $3.50 per 100, $30.00 per 1000; 3-in., $6.00 per 100, $50.00 per 1000.

GOLDEN GATE, AM. BEAUTY—2¼-in. pots, $4.00 per 100; 3-in., $7.00 per 100.

S. J. REUTER, Westerly, R. I.

ROSES

GRAFTED, WINTER BLOOMING.
Brides, Bridesmaid, Golden Gate.

GRAFTED, SUMMER BLOOMING.
Pink Soupert, Clothilde Soupert, Kaiserin Augusta Victoria, President Carnot.

OWN ROOTS.
Maman Cochet, white and pink, 2½-in. pots. Prices on any quantity.

H. P., low budded, in variety.....$10.00 per 100
Clothilde Soupert, dormant..... 12.00 per 100

BOBBINK & ATKINS
RUTHERFORD, N. J.

Manetti Stocks

...FOR GRAFTING.

We can still offer a limited number of Manetti stocks for grafting, of good quality.

In lots of 1000.....$12.00 per 1000
" 2500..... 10.00 per 1000
" 5000..... 9 00 per 1000

HENRY A. DREER, 714 Chestnut St., Phila.

Send 50c or $1.00 For samples and prices of Roses, Brides, Maids, Perles, Kaiserins, Woottons, Golden Gate, La France, or Geraniums in 3 in. Pink, Red, White and Salmon.

GEO. A. KUHL,
Pekin, Ill.

FOR SALE

Two thousand BRIDES and two thousand BRIDESMAIDS in 2½-in. pots, now ready.

Price $3.00 per 100.

JOHN L. WYLAND, - - DeHaven, Pa.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N.Y.

ROSES FOR SUMMER PLANTING

Now is the time to secure A1 Stock to grow on for next season.

LIBERTY, The new crimson; stock limited. Own roots from 2½-in pots.. .$25.00 per 100
Grafted Stock from 2½-in. pots ..... 40.00 per 100
LADY DOROTHEA, new buff color, } 2-inch..... 10.00 per 100
ADMIRAL DEWEY, new blush color, }

TEAS, STANDARD VARIETIES.

BRIDESMAID, BON SILENE, CATHERINE MERMET, MME. HOSTE MRS. PIERPONT MORGAN NIPHETOS, PAPA GONTIER, PERLE DES JARDINS, SUNSET, THE BRIDE, selected stock from 2-in. pots.....$5.00 per 100, $45.00 per 1000

HYBRID TEAS.

AMERICAN BEAUTY.....2-inch, $7.00 per 100, $65.00 per 1000
KAISER N AUGUSTA VICTORIA, LA FRANCE, MME. CAROLINE TESTOUT METEOR, MRS. ROBT GARRETT, SOUV. DE WOOTTON, selected 2-in. stock, $5.00 per 100, $45.00 per 1000

ROSES FOR SUMMER BEDDING, CLIMBERS, ETC.

JOHN N. MAY Summit, N. J.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

AMERICAN BEAUTIES

$3 per 100; $25 per 1000.

	Per 100	Per 1000
BRIDES	$1.50	$12 50
BRIDESMAIDS	1.50	12.50
METEORS	1.50	12.50
PERLES	1.50	12.50

THESE are strong rooted cuttings; in fact we have never had so good success with rose cuttings as we are having this year. All stock is guaranteed, all orders are carefully filled and well packed. Write for special prices on 5000 lots.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

LIBERTY ORDERS RECEIVED NOW FOR APRIL AND MAY DELIVERY....

GRAFTED ROSES. Kaiserin now ready to ship. Orders booked for Brides and Bridesmaids. Prices on application.
AMERICAN BEAUTY, own roots, 2½-inch pots, $6.00 per 100; $50.00 per 1000.

ROBERT SCOTT & SON, SHARON HILL, DEL. CO., PA.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Miami, Fla.

The cold wave of mid-February did some damage to early vegetables north and west of Miami, but toward the south nothing was damaged and there are whole fields of tomatoes just coming into bearing, one field containing 250 acres. Oranges, grapefruit, limes and lemons were not damaged at all. Pine apple fields suffered the loss of some foliage and small plants were slightly hurt, but the fruit buds were not injured. All shedded plants came through without the loss of a leaf. Over 1000 crates of vegetables per day are being shipped from here. The through vegetable express train was put on the Florida East Coast Railroad March 15. This train carries from six to ten car loads of vegetables north daily.

Warm days and cool nights bring out the rose buds in perfection while carnations are loaded with buds and blooms all the time; the climate seems to just suit them. Dickerson & Belden are finding quick sale for both carnations and roses among the hotel guests, the city being full of winter tourists. Their Bridesmaids are perfect but the Brides show a tint of pink on the outer petals, caused, no doubt, by the bright sun. The firm is busy now shipping sword ferns by the thousands. Epidendrum venosum and Cyrtopodium punctatum are proving good sellers. POINCIANA.

...SPECIAL...
ROOTED CUTTINGS.

Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000. Strong 2½-in. Brides Meteors Maids, Perle, Wootton, $3.50 per 100, $30.00 per 1000. Elegant stock.

50,000 Verbenas, 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

Alyssum, strong 2-inch, 2 cents.

Geraniums, sweet-scented, strong 2½-inch 2½ cents; strong 2-inch, 2 cents. Mme. Salleroi, strong 2-in., at $2.00 per 100.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.00 per 100.

Fuchsias, best sorts, $1.50 per 100. Vinca Major, $1.00 per 100. Black and Purple Prince, 2-in., 2.50 per 100; 2½-in., $3.00 per 100.

Smilax, strong, 2-inch, $1.00 per 100; $8.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1.00 per 100.

Heliotrope, the choicest blue and white, rooted cuttings, $1 00 per 100.

Coleus, choicest varieties, rooted cuttings, 75 cents per 100.

Vincas, Major and Variegata, strong 2½-in., 3c; strong 2-in., 2½c.

Marguerites, New Giant White, a grand sort, and New Golden, strong 2½-in., 2½c; strong rooted cuttings, $1.00 per 100

Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Lettuce Plants—Big Boston, Boston Market, Belmont Forcing, Curled Simpson, 15c per 100; $1.00 per 1000.
Tomato Plants—Dwarf Champion, Beauty, 20c per 100; $1.50 per 1000.
Mignonette—Allen's Defiance, 2-inch, fine, strong plants, $2.50 per 100.
Smilax—From flats, 30c per 100; $2.50 per 1000.
Cyperus Alternifolius and Gracilis—Large clumps, can be divided into 15 or 20 plants, $3.00 per doz.
Madeira Vine Roots—Large, $2.00 per 100.
Cash please. **MRS. GRISWOLD, Worthington, O.**

THE IDEAL PINK CARNATION Genevieve Lord

Fills the bill. The ladies declare it is just right in color. We claim it has the best stem of any Carnation. That it will rank very near the top in size. That its odor is very sweet. That it is the most profitable Carnation we ever grew. That it has an individuality all its own. Customers recognize it at a glance. There is not a great deal left that is wanting in this variety. If you want to make money, plant it. But don't delay, for stock for delivery prior to March 20 is all sold. It is an easy, rapid grower, however, and the April and May deliveries will make large, fine plants. Some of the finest plants we have are from cuttings from sand planted in the field June 1st. Remember all sold until March 20th. If you wait too long the chances are that we will be sold out of stock. Make yourself safe by ordering at once.

PRICE
$2.00 per Dozen,
$10.00 per 100,
$75.00 per 1000.

H. WEBER & SONS,
OAKLAND, MD.

Our catalogue is now ready; in it are listed the above as well as all the new "big ones" at introducers' prices all the best standard sorts, and a complete list of chrysanthemums, novelties and standard sorts.

INTERESTING TO GROWERS....

The rapid growth of our business imperatively demands that we secure for another season more METEOR and PERLE roses.

We would request anyone able to grow these two varieties well and in quantity to correspond with us.

We can convince the right parties that we can offer them a chance seldom equaled to dispose of their stock. Now is the time to take up the matter.

WALTER S. HEFFRON, MANAGER.

E. C. AMLING, 32-34-36 Randolph St., ...CHICAGO, ILL.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs F Joost, pink	2 50
The Marquis pink	10 00	Triumph fine pink	1 50
Genevieve Lord, pink	10 00	Daybreak abelt pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G H Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs G Bradt, var	5.00	Wm Scott, pink	1 00
Glacier, white, fine	4.00	Lizzie McGowan	1 00

Geo. Maceo, best crimson.....$5 00 per 100
Mrs. Jas. Dean, fine pink..... 3 00 per 100
Nephrolepis Cordata Compacta, 2½ inch, $4.00 per 100, 8 and 10 inch. fine, $12 00 per doz.
Cash please **CARL HAGENBURGER, West Mentor, O.**

10,000 STRONG ROOTED Carnation Cuttings

FRANCES JOOST	$2.00 per 100
GOLD NUGGET	2.00 per 100
MRS GEO. BRADT	4.50 per 100
EVELINA	2.00 per 100
FLORA HILL	2.00 per 100
DAYBREAK	1.50 per 100

JOS. LABO, JOLIET, ILL.

GERANIUMS ROOTED... CUTTINGS

For April delivery, mixed sorts unnamed, $1 50 per 100 delivered.

These are new and good sorts, no cheap kinds in the lot. Cash with order please.

40,000 CANE STAKES FOR SALE

C. S. TAIT, Brunswick, Ga.

Please mention the American Florist when writing.

CANNAS

The 3 Best Solid Red Cannas.

BLACK PRINCE	$10 00 per 100
PHILADELPHIA	4.00 per 100
DUKE OF MARLBORUGH	4.00 per 100

BOSTON FERN, strong 2½-in. plants, $5.00 per 100.

The Conard & Jones Co., West Grove, Pa.

Please mention the American Florist when writing.

HOME GROWN PALMS

					Pots	Per doz.	Per 100
Kentia Belmoreana					3-in.	$3.00	$23.00
" "					4-in.	5.00	40.00
	Size	Char.			Pots.	Leaves.	High.
" "	5,	5-7			18-24,	$9-$12	$70-$90
" "	6,	7-8			20-25,	18	144
" "	7,	7-8			36-40.	30-36	240-290
Kentia Forsteriana, 3-in. $2.50 per doz.; $20 per 100							
" "	4-in. $5.00				"	$35	"
" "	5,	5-6			24-30,	$9-$12	$75-$95
" "	6,	7-8			25-30,	18	144
" "	7,	7 8			35-42,	28-30	225
" "	8-9	7 8	$3.00 to $4.00 each.				
Latania Borbonica, 2½-in.						.60	5.00
" "	3-in.					1.25	10.00
" "	4-in.					3.00	23.00
" "	5,	5-8		15-20,		5.00	40.00
" "	6,	6-8		16 24,		8.50	65.00
" "	7,	6-8		18-24,		12.00	90.00
" "	8,	7-8		28-34,		22 00	175.00
" "	9,	7-9		28-36,		34 00	272.00

Ficus Elastica, 5-inch, doz. $5.00; 6-in. $8.00 doz.
Livistona Rotundifolia, 7 in., 12-14 leaves, $2.50 to $3.00 each. **Pandanus Veitchii,** 4-in. to 14-in., 50c to $10 each. **Boston Ferns,** 5c to $2.00 each. **Cycas, Dracænas, Asparagus, etc.,** in large variety.
We have over 150,000 Tropical Plants. Terms cash, but inspection allowed at express office.

ALBERT FUCHS,
2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

CINERARIAS

From Dreer's Prize Dwarf Strain, in Bud and Bloom.

3½-in. pots	per 100, $ 6.00
4½-in. pots	" 10.00
5½-in. pots, specimen plants	" 20.00

CASH PLEASE. **JOHN KLINK, Chicago, Ohio.**

There are buyers for all kinds of stock advertised in the American Florist.

HEACOCK'S PALMS.

Choice ARECA LUTESCENS, KENTIA BELMOREANA and LATANIA BORBONICA.

All perfect and symmetrical plants, alike on all sides, with every leaf perfect from the pot up. Grown especially for the decorator. They are as good, if not better, than any I have offered before. Prices are as follows:

Areca Lutescens.

	Each.
9-inch pot, very bushy, 5 feet high	$ 5 00
12-inch pot, very bushy, 6 feet high	$10.00 to 15.00
14-inch pot, very bushy, 6 to 7 feet high	20.00
15-inch pot, very bushy, 7 to 8 feet high	25 00

Kentia Belmoreana.

	Per Doz.	Per 100
3-inch pots, 4 to 5 leaves, 10 to 12 in. high	$3.00	$25.00
4-inch pots, 5 to 6 leaves, 15 to 18 in. high	6.00	50.00
6-inch pots, 6 leaves, 20 to 24 in. high	18.00	150.00

Latania Borbonica.

	Each.
8-inch pot, 8 leaves, 24 in. high by 36 in. wide	$1.50
10-inch pots, 9 to 10 leaves, 30 to 36 in. high by 42 in. wide	4.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. **A TRIAL ORDER IS SOLICITED.**

JOSEPH HEACOCK, Wyncote, Pa.

DAHLIAS!!!

The cream of the lists. Our stock includes the well-tried, desirable, older varieties, as well as the latest acquisitions. Booking orders now. Be quick. Undivided roots in variety.

$60 per Thousand.

Our semi-annual trade list now ready.

The WM. H. MOON Co.

Glenwood Nurseries,
MORRISVILLE, PENN.

Please mention the American Florist when writing.

DAHLIAS

Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well tested ones good enough? I have both. My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Pæonies. Write for catalogue and price list

W. W. WILMORE, Dahlia Specialist.
Box 382. Denver, Colo.

Please mention the American Florist when writing.

PANSIES Good strong plants, transplanted from flats. 100 plants by mail 60 cts. 1000 by express $3.50.

MRS. HULDAH SALVESON.
North Main Street. Petersburg, Ill.

Send Your Advertisement NOW

FOR THE

Special Spring Number of the American Florist

TO BE ISSUED MARCH 31.

"Viola"

LARGEST HORTICULTURAL ADVERTISING PAPER FOR THE SCANDINAVIAN COUNTRIES.

FOREIGN SUBSCRIPTION, 50c PER YEAR.

Write for Sample copies to

SWEDISH GARDENING OFFICES,

6, Regeringsgatan, STOCKHOLM.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A."
Chilwell Nurseries, - Notts, England.

COLEUS

2½-in. fine, strong plants, ready to cut cuttings from; $1.50 per 100.

Cyclamen Seedlings, transplanted. My own & best strain obtainable, $2.00 per 100, $15.00 per 1000.

Exchange for Plants suitable for Ferneries.

C. WINTERICH, Defiance, Ohio.

BEGONIA INCARNATA An improved form of this valuable flowering plant for Christmas.
Rooted cuttings..... $5 00 per 100
Plants in 2-in. pots.. 8 00 per 100

EDWIN LONSDALE, P. O. Address for the time being:
WYNDMOOR,
Montgomery Co., PA.

Money Order office same as heretofore, Chestnut Hill (Sta. 11.) Phila., Pa

Chrysanthemums Rooted Cuttings

Yellow Queen, Mrs. Robinson, G. Kalb, Merry Monarch, Maj. Bonnaffon, Ivory, Lady Playfair, 75 cents per 100. **BEGONIA** Rex R. C., fine mixed, $1.50 per 100. **AGERATUM** dwarf or tall, 2-in. pots, $1.50 per 100. **VINCA VAR.**, 2-in. pots, $1.50 per 100.

H. DANN & SON, Westfield, N. Y.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y.

PRIMULAS AND VINCAS, ETC. Per 100

4-inch pot Vinca Vines	$6.00
3-inch pot Vinca Vines	4.00
2-inch pot Vinca Vines	2.50
Rooted Cuttings Vinca Vines, from flats	1.50
2-in. pot Primrose, in bud and bloom, ready to repot	2.00
2-in. pot Smilax	2.00

Cash With Order or C. O. D.

WM. A CLARK & SON, 59 Slate St., Watertown, N. Y.

Westerly, R. I.

S. J. Reuter is planning to erect two more houses this season. Two a year seems to be Mr. Reuter's regular gait and his place, now the third largest in New England, may yet attain such proportions as to necessitate lapping over the boundaries of the little nutmeg state into Connecticut or Massachusetts, if the grade of stock raised here continues as it has been this winter. The Brides and Bridesmaids from Mr. Reuter are certainly equal to the best produced and Mr. Welch, who places them on the market in Boston, thinks they are just a little better than the best, barring none. Mr. Reuter is busy grafting and budding; 25,000 is the number to be started. He finds the budded stock fully equal to the grafted. He has a dark colored sport from Bridesmaid which has proved steadfast and will be propagated as rapidly as possible without danger of weakening the stock. In color it is nearly as deep as American Beauty. Golden Gate does grandly here, being, in Mr. Reuter's experience, the most prolific bloomer in the list, but the buyers have not yet learned to appreciate it. Carnations Daybreak and White Cloud do finely, Freedom very poorly and Scott indifferently. A house of Easter lilies shows stock from several bulb dealers in "deadly parallel" rows. One firm, at least, will have difficulty in duplicating the order next year.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM (no finer strain on the market) now ready to ship. A splendid stock of plants, in four separate colors; August Seedlings from 2½-in. pots, $5 per 100 $40 per 1000; October Seedlings from flats, $3.50 per 100, $30 per 1000. **SATISFACTION GUARANTEED**

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing

ASPARAGUS SPRENGERI, fine plants, 2½-in. pot ..... $4 per 100
NEW FORGET-ME-NOT. Sutton's Gems, large plants ready to bloom ..... $5 per 100
DAHLIAS, named sorts, field roots ..... $4 per 100
BEGONIAS, (tuberous) single ..... $2 per 100
GLOXINIAS, fine strain ..... $3 per 100
GLADIOLI, fine mixture, 2d size ..... $4 per 1000

SEND FOR CATALOGUE AND LIST OF BULBS.

A. BLANC & CO., Philadelphia.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. **SEED** as usual.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

Please mention the American Florist when writing.

FOR SALE! 100,000 KENTIA SEEDLINGS, 2 to 3 leaves, $50 per 1000. GREAT VALUE. Write or telegraph how many.

J. AUSTIN SHAW, 271 Broadway, NEW YORK.

ROSES, CLEMATIS, RHODODENDRONS, ETC.

ROSES, Strong 2 Year Field Grown.

	Per 100
Crimson Ramblers with 4 to 5 feet canes,	$15.00
Crimson Ramblers, 2d size, 2 to 3 feet canes	8 00
Yellow Rambler, two years	8.00
Hybrid Perpetual, in fine assortment	10.00
Wichuriana, Japan creeping Rose	6.00
Wichuriana Hybrids, 4 varieties	8.00
Tree Roses, fine heads	36.00

Liberty, new red forcing Rose, from 2½-in. pots, 12 plants at 60c each, 25 at 50c each, 50 at 30c each, 100 at 25c each.

General assortment of Everblooming Roses from 2½-in. pots, $3.00 per 100, $25 per 1000.

CARNATIONS, Rooted Cuttings.

Mrs. Thomas Lawson, $14 00 per 100. Ethel Crocker, $10 per 100. The Marquis, $10.00 per 100. Olympia, $12.00 per 100.

RHODODENDRONS.

Large stock of best hardy varieties 15 inches to 3 feet high, clean bright foliage and well set with buds, $45.00 to $150.00 per 100.

CLEMATIS.

Jackmanii, Henryi, Duchess of Edinburg, Ramona, and other large flowered varieties, strong two year plants, $20.00 per 100; strong three years $25.00 per 100.

AZALEA MOLLIS.

Strong, bushy plants well set with flower buds, $35.00 per 100.

Hydrangea Paniculata Grandiflora.

2½ to 3 feet, $10.00 per 100; tree form, 4 to 5 feet high, $25.00 per 100.

Fruit and Ornamental Trees, Shrubs, etc., in large assortment.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

300,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. **WAVERLEY, MASS.**

GERANIUMS. A few thousand left, in 2½-in. pots, at $30 per 1000; $3.25 per 100: S. A Nutt, LaFavorite, Richard Brett, Marguerite de Loys, Mrs. Jas. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson and Rose Geranium. Also Rose Geranium cuttings at $2 per 100.

Mme. Salleroi Geraniums in soil, $1.50 per 100; $12 00 per M

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Colens in variety, $5 per 1000, 60c per 100; 2-in pots $1.25 100.

ACERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾-in. pots, $1.50 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1.25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot, $1 50 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS $1.50 per 100; 2½-in. pots, $2 50 per 100.

FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.

VINCAS, $1.25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M. Fine plants.

The above are rooted cuttings, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

FINE, STOCKY PLANTS.

	Per 100
Alternanthera, yellow, $1.75, red	$2 00
Oxalis Floribunda, fine for baskets	2.00
Coleus, mixed var., 2-in. pots	2.00
Geranium, my selection, 2 and 2½-in. pots	3.00
" " " 3-in. pots	4.00
Double Petunia, mix. var., 2½-in. pots	3.00
Verbenas, good var., 2-in. pots	2 00
Centaurea Gymnocarpa, 2-in. pots	2.00
Carnations, 2-in. pots, 5 var.	3.00
Pansy plants in bud, cold frame	1.50

—CASH PLEASE—

JOS. H. CUNNINGHAM

DELAWARE, O.

Please mention the American Florist when writing.

ROSES and VIOLETS

Well established plants, from 2½-in. pots.

BRIDES	Per 100	$4.00,	Per 1000	$35.00
BRIDESMAIDS	"	4.00,	"	35.00
METEORS	"	4 00,	"	35.00
PERLES	"	4.00,	"	35.00
AM. BEAUTY	"	6.00,	"	50.00
MORGANS	"	6.00,	"	50.00

VIOLETS, Princess of Wales, the only violet to grow, strong plants from flats, 100, $2, 1000, $18.

CASH WITH ORDER

W. T. & F. P. BUTZ, New Castle, Pa.

Pteris Deweyana.

A most desirable new fern, now offered for the first time by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts; hard, and grows very freely from spores.

12 Fine Plants, 3 inch pots	$ 3.00
100 " " " "	20.00
12 Good Plants, 2 inch pots	2.00
100 " " " "	15.00

Six latter mailed, $1. With balls of roots undisturbed.

JOHN H. LEY,

COOD HOPE. WASHINGTON, D. C.

CYCLAMEN PERSICUM GIGANTEUM,

In the various colors and shades.

Plants are in healthy condition, $5.00 per 100; $40.00 per 1000.

Money Order Office Chestnut Hill, Phila.

EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA.

ROOTED CUTTINGS. .....USUAL PRICES.

COLEUS—Verschaffeltii, Golden Queen, mixed. HELIOTROPE, DOUBLE PETUNIAS, SALVIAS, ETC. ALTERNANTHERA, four kinds.

L. H. FOSTER, 45 King Street, Dorchester, Mass.

DREER'S SPECIAL OFFER OF DECORATIVE PLANTS.

OF SPECIAL VALUE, SUITABLE FOR EASTER SALES.

KENTIA BELMOREANA.

ARECA LUTESCENS.

4 inch pots, 1 plant in pot,	15 to 18 inches high		$3.00 per doz.,	$25.00 per 100
5 " " 3 " "	18 to 20 "	"	5.00 "	40.00 "

KENTIA BELMOREANA.

4 inch pots, 5 to 6 leaves,	15 inches high		4.50 "	35.00 "
5 " 5 to 6 "	22 to 24 inches high		12.60 "	100.00 "
6 " 6 "	24 to 26 "	"	15.00 "	125.00 "
6 " 6 to 7 "	28 to 30 "	"	18.00 "	150 00 "
6 " 7 "	30 to 36 "	"	2.00 each,	24.00 per doz.

KENTIA FORSTERIANA Made-up Plants.

Good specimens, 4 plants in a ten-inch pot, 36 inches high.....$3.50 each
Good specimens, 4 plants in a ten-inch pot, 48 inches high..... 5.00 each

KENTIA FORSTERIANA.

4-in. pots, 5 leaves,	15 to 18 inches high		$4.50 per doz.,	$35.00 per 100
6 " 6 "	24 to 30 "	"	$1.00 each,	$12.00 per doz.
6 " 6 "	28 to 30 "	"	1.25 "	15.00 "
6 " 6 "	30 "	"	1.50 "	18.00 "
7 "	6 to 7 leaves, 30 to 36 inches high		2.00 "	24.00 "

Specimen Plants of KENTIA BELMOREANA and FORSTERIANA.
At $10, $15, $25, $35 and $50 each. For description see our current wholesale list.

LATANIA BORBONICA.

6-inch pots, 5 to 6 leaves, 18 inches high.....$6 00 per doz.
6 inch pots, 6 to 7 leaves, 20 inches high..... 9.00 per doz.

PHŒNIX CANARIENSIS.

7-inch pots, 30 inches high, bushy plants.....$ 1.50 each
14-inch tubs, 5 to 6 feet, fine decorative plants..... 10.00 each

PANDANUS VEITCHII.

6-inch pots, 15 to 18 inches high.....$1.00 each

ADIANTUM CUNEATUM.

A grand lot of 5-inch pots.....$2.00 per doz., $15.00 per 100

ADIANTUM CUNEATUM
A fine lot of plants of special good value.

2½-in. pots	$ 3.50 per 100,	$ 30.00 per 1000	
3-in. "	6.00 "	50.00 "	
5-in. "	15.00 "	140.00 "	

CHOICE MIXED FERNS.
We can still supply choice mixed Ferns in good assortment.

2½-in. pots	$3.50 per 100,	$30.00 per 1000
3-in. "	6.00 "	50.00 "

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA.

ROOTED CUTTINGS

Nice, Clean Stuff, and Well-Rooted.

Verbenas, 75,000 now ready, twenty-six varieties.....100, 60c.; 1000, $5.00; 5,000, $22.00
New Daisies, (or Marguerites), the best that have ever been introduced. Try a few of them and find out for yourself.
Carl Poehlman—the new yellow ever-blooming Paris Daisy.....Doz., 25c.; 100, $1.25
Madame Farlaiellon—bright, silvery-green foliage, white flowers, very dwarf grower Doz., 25c.; 100, $1.25
Madame Gailbert—large white petals, yellow disc. Nothing can be imagined that is finer Doz., 25c.; 100, $1.25
New Salvia Yellow Bird—bright yellow foliage, bright scarlet flowers, Doz., 20c; 100, $1; 1000 $9.
Salvia Habald—This is more dwarf and much better than Old Splendens. Doz., 20c; 100. $1.00; 1000, $9.00
Geranium—Mme. Salleroi....100, $1.25; 1000, $10.00
Ageratum—Princess Pauline Doz., 20c.; 100, $1.00; 1000, $9.00
Coleus—Golden Verschaffeltii, Scarlet Verschaffeltii, Fire Brand, Tam O'Shanter, South Park Gem, Alhambra, Fire King, Golden Crown, Midnight, Salvator, John Goode, Spotted Gem, Combination, Mrs. F. Sanders, Nigger, Queen of the West, Beckwith's Gem.....100. 75c.; 500, $3.00; 1000, $5.00.
Heliotropes—three fine varieties. Doz., 20c.; 100, $1.00; 1000, $9.00
Manettia Vine.....Doz., 25c.; 100, $1.25; 1000, $11.00
Alyssum—New Double Giant. Doz. 20c.; 100, $1.00; 1000, $9.00
Abutilon—Souv. de Bonn.....Doz. 20c.; 100, $1.25
" Savitzii.....Doz. 40c.; 100, $2.50

Send for Price List.
I pay Express charges and guarantee to please you in every way.

S. T. DANLEY, MACOMB, ILL.

Please mention the American Florist when writing.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Please mention the American Florist when writing

MAMMOTH VERBENAS Large rooted plants, 60c per 100, $4 50 per 100.
Cyclamen, 3-in., $5 per 100. White stocks for Easter, 2-in., $1.50 per 100 Rooted cuttings double and single Petunia mixed, $1.00 per 100. Dwarf Lobella, $1 per 100.
SAMUEL WHITTON, 15-17 Gray Ave., Utica, N.Y.
Please mention the American Florist when writing

Verbenas

THE FINEST IN THE LAND.
Millions of them.

Pot Plants.....$2.50 per 100, $20 00 per 1000
Rooted Cuttings, 75c " 5.00 "

Coleus Rooted Cuttings, $1.00 per 100 $7.50 per 1000 Pot Plants, $3.00 per 100, $25 per 1000.

LATANIA BORBONICA.
Extra good value.

3-in	$ 8.00 per 100
4-in	18 00 "
5-in	4 50 per doz.
6-in	8.50 "

CHRYSANTHEMUMS.
Pot plants.
$3.00 per 100, $25.00 per 1000.
For varieties see Florist Feb. 3d.

CARNATIONS.
Rooted Cuttings.
Scott, Pierson, McGowan, Helen Keller, Tidal Wave, $1.50 per 100, $10.00 per 1000.
Mayor Pingree, Flora Hill, Daybreak, $2.00 per 100.

PETUNIAS.

Dreer's set	$4 00 per 100
Double white	4 00 "

CINERARIAS.

Fine strain	$ 3.00 per 100
3-in	5.00 "
4-in	10.00 "
5-in	15.00 "

VINCAS.
Major and Major Var.

2-in	$ 3 00 per 100
4-in., very fine	15 00 "

HELIOTROPE.
Czar, Czarina and five other fine sorts.....$3.00 per 100

OLEANDERS.
Very fine Double Pink and Double White, $6.00 per 100, $55 00 per 1000.

CERANIUMS.
Mt. of Snow, Happy Thought, $4.00 per 100.
Mrs. Parker.....$6 00 per 100
Mrs. Pollock..... 5.00 "
Mad Salleroi Rose and Ivy Ger., Souv. de Chas. Turner, $3.00 per 100.
S. A. Nutt, Master Christine, Queen of the West, Queen of Belgians, etc., all colors, $3.00 per 100.
J. Riccard, Beaute Poitevine, Athlete, Pres. Leon Picas, E. G. Hill, J. J. Harrison, etc., $4.00 per 100.

ROSES.

	Per 100
Brides and Bridesmaids	$3.00
" " 3-in. strong,	5.00
Hermosa	4 00
Monthly, in var.	3.00
H. P's, such as Dinsmore, Jacq., Paul Neyron	5 00
H. P's, our selection	4.00
Wichuraiana, white	4.00

MISCELLANEOUS.

	Per 100
Alyssum, 3 var	$3.00
Ageratum, Cope's Pet	2 00
Ampelopsis Veitchii, strong	4.00
Abutilon B. de Niege and Sou. de Boun	4 00
Alternanthera, 2 vars.	2.50
Cuphea.....$20 00 per 1000,	3.00
Cyclamen, 4-in. $2.00 pr doz.	
" 5-in. 4.00 "	
Dracæna Indivisa, 5-in.	2.00 "
Fuchsias	3.00
Feverfew, Little Gem	2 50
Hydrangea Hortensia	4.00
Ivies, English	4 00
Libonia Pen	3.00
Manettia Vine	4.00
Lantanas	3.00
Lemon Verbenas	4 00
Marguerite, white	3.00
" yellow	4.00
Nierembergia	3 00
Othonna	3 00
Otaheite Oranges, 4-in.	15.00
Salvia, scarlet	3.00
Swansonia, white	4.00
Santolina Incana	3.00
Pelargoniums, mixed	4.00
Velvet Plant, 3-in.	8 00

OUR PRICE LIST WILL BE ISSUED EARLY IN MARCH.

W. L. SMITH, Wholesale .....Florist, AURORA, ILL.

REX BEGONIAS.

We are headquarters for Rex Begonias. Fine young stock now ready.

Many Distinct Varieties, $4 per 100.

Write for special price on 500 and 1000 lots. Address all orders for Rex Begonias to us.

G. R. GAUSE & CO.,
Earlham View Greenhouses. Richmond, Ind.

--New-- Geranium DEWEY

A GRAND NOVELTY.
COLOR BRIGHT CRIMSON; DWARF, COMPACT GROWER, PROFUSE BLOOMER, GOOD FOLIAGE, VERY ATTRACTIVE.

4-inch pots	35c each,	$3.50 per doz.
3 " "	25c "	2.50 "
2½ " "	15c "	1.50 "

CARL RAUTH, Springfield, Ill.

Please mention the American Florist when writing.

Nashville.

SPRING WEATHER BRINGS OUT THE BLOOMS. —PLANTSMEN APPEAR AT THE MARKET. —FUNERAL WORK.

For the past week the weather has been quite springlike and florists notice a great change in the quality of flowers as well as an increased supply. Roses are coming in freely, which may result disastrously for the Easter trade. Both Brides and Bridesmaids are large and fine. Meteor, too, is showing up well. Last Saturday, for the first time this year, the smaller growers showed up at the market house. Several stalls were filled with blooming plants and purchasers were numerous. Later in the spring these growers have the best of the plant trade and sell at prices that allow a very small margin of profit.

The death of the fire chief, Capt. E. M. Carrell, who was killed while responding to an early morning alarm, called for some very elaborate and novel floral pieces last week.

Trade continues fairly good despite the fact that it is the Lenten season.

M. C. DORRIS.

NEW YORK —J. Austin Shaw has been appointed sole United States and Canadian agent of Edw. Van Coppenolle, of Ghent, Belgium.

SALT LAKE CITY, UTAH.—The B. C. Morris Floral Co. has been incorporated with a capital of $9,000 by J. H. MacMurdy, Cripple Creek, Col.; V. V. Morris, T. Hobday, R. P. Morris, Clara M. Clawson and P. Cherrington, of Salt Lake City.

R. C. CARNATIONS, Closing Out Prices.

	Per 100		Per 100
Mrs. Thos. W. Lawson	$12.00	Flora Hill	1.00
Olympia	12.00	America	3.00
Genevieve Lord	9.00	Melba	2.00
John Young	1.00	Glacier	2.50
White Cloud	2.00	Maud Adams	2.00
Mrs. G. Bradt	3.00	Empress	.75
Gold Nugget	2.00	Psyche	.75
Argyle	.75	Mary Wood	3.00
Armazindy	.75	Morning Glory	6.00

UNROOTED CARNATION CUTTINGS.

	Per 100		Per 100
G. H. Crane	2.00	Flora Hill	.50
Glacier	1.50	Mary Wood, fine	1.50
Mrs. G. Bradt	1.50	White Cloud	1.00
Melba	1.50	America	1.75
Gold Nugget	1.00		

ABOVE UNROOTED CUTTINGS PREPAID BY MAIL.

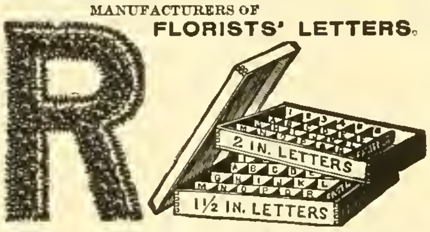
PLANTS, All Good Stock.

	Per 100		Per 100
Geranium De Roo Mitting.......2¼-inch...	$7.00	Begonias, flowering, named, 12 var...2¼-in.	1.50
" Double Snow Drop.... " ...	7.00	Forget-Me-Not, winter flowering .... "	1.50
New Yellow Baby Primrose in bloom, 2¼-in.	7.00	Iresines, red and yellow.............. "	1.50
Geranium Mme. Salleroi.........2¼ inch...	2.00	Mesembryanthemum, basket plant... "	1.50
" named, our selection only, 2¼-in.	2.00	California Moss..... " " ..... "	1.50
Coleus, named, 2¼-in.	1.50	Lobelia, blue bloom, " " ..... "	1.50
Petunias, double mixed, 2¼-in.	2.00	Feverfew, Little Gem and yellow foli. "	1.50
" " " 3-in.	3.00	Cigar Plant .... "	1.50
Primula Obconica in bloom, 3½-inch	3.00	Abutilons, mixed..................... "	1.50
" Chinese " "	2.50	Roses, Bride, Bridesmaid and Pearl, "	2.00
" " " 2¼-inch	1.00	Salvia Clara Bedman.................. "	1.50
" " from flats	.50		

THE MORRIS FLORAL CO., MORRIS, ILL.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

H. BAYERSDORFER & CO.

Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. ☞ For the trade only.

H. BAYERSDORFER & CO.
60, 52, 54 and 56 N. 4th St., PHILADELPHIA, PA.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.

Send for Prices.

404-412 East 34th St., NEW YORK.

John Conley & Son,

Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

MATERIAL FOR PREPARED PALMS.

Selected Palmetto Leaves, good shape, with long stems, three sizes, small, medium and large dried and cured only, $5, $6 and $7 per 1000. Cured and pressed, only need painting, $12, $15 and $19 per 1000 Dyed and pressed, $14, $17 and $21 per 1000 Prepared and painted Palmetto Leaves, loose for decorating, or to make up into plants, $4, $6 and $8 per 100 Cycas Leaves, prepared, $12, $18 and $24 per 100. Cycas Leaves, raw, dried and pressed, $14, $21 and $40 per 1000. Areca Leaves, cured and pressed, $12, $15 and $20 per 1000. Areca Leaves, prepared and painted, $5, $7 and $9 per 100. Cycas Wreaths, plain, each (2 leaves) 36c, 55c and 75c. Cycas Wreaths, with flowers, from 50c up. Palm Fibre, for making up plants, 10c per lb. Green Palmetto Leaves, large, $5 per 1000. Green Cabbage Palm Leaves, 3-5 ft., $3 per 100 Long Leaf Needle Pines, 3-4 ft., $4 per 100. Artificial Smilax, per doz yds., from 50c up. Sabals, Thrinax (Argentea and Excelsa), Chamærops Argentea, and Zamia Crowns, and green or dried leaves of all kinds Natural Palm Stumps and Tree Trunks for use with green or prepared Palm Leaves. Green Palm Leaves, $5.00 a 1000

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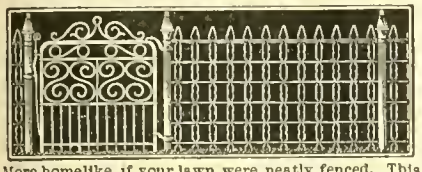

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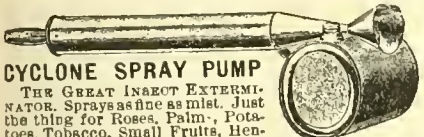

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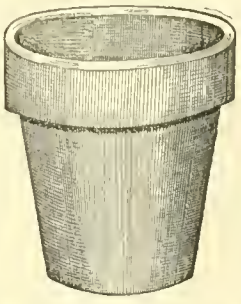

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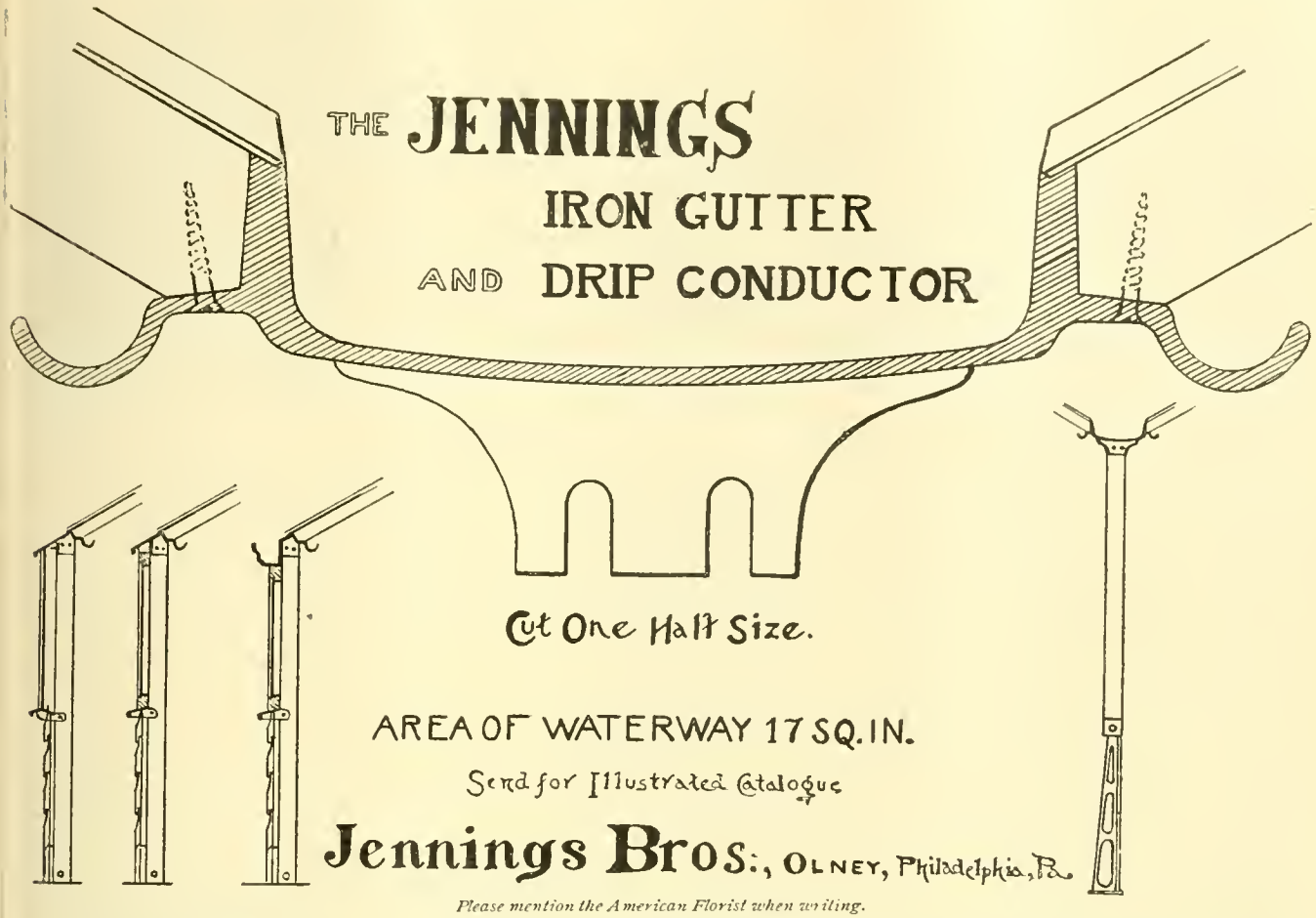

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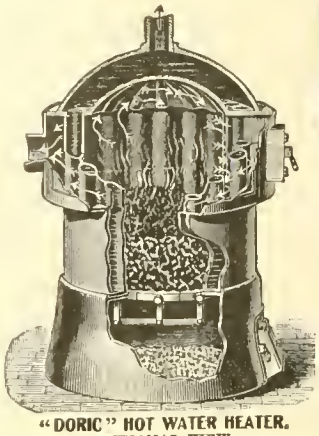

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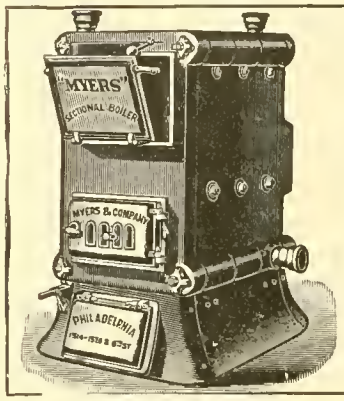

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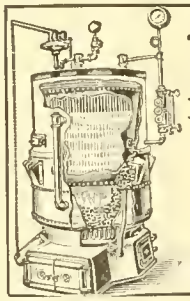

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Annual meeting and exhibition at Eden Musee, 23d St., New York, March 27-29, 1900. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Notes on Foliage Plants.

The Easter trade and special plants that are grown for that occasion are doubtless engrossing the attention of growers at the time of this writing, and it is quite natural that this should be so, for no other special occasion during the year presents just the same difficulties and anxieties. But after the Easter rush is over other questions come in view, among them being that of proper attention to the stock of foliage plants, the latter now forming at least a portion of the regular stock of every retail florist. In order to get the best results, and to have our plants in the best possible condition for the fall trade, a reasonably early start should be made.

The palm stock occupies the most prominent position among plants of this character at the present time, and should receive first attention, for after April 1 any or all palms that are pot-bound may be safely shifted and will soon become re-established. In the case of old or stunted specimens of palms it is a good practice to wash out all the old compost from among the roots, but root pruning should be done cautiously, and if the roots are in fairly healthy condition I prefer to leave them alone so far as the the knife is concerned, and simply to repot firmly in good compost after the washing operation. The sun at this season being very strong, shading of some description is required, this being especially necessary in the case of newly potted palms, in order to encourage a fresh start and to bring back the color into the foliage of those specimens that have been starved.

Were it not for the great expense of such appliances, a system of roller blinds for shading the palm house would prove very useful, for the plants might then be shaded only at such times as the shade is really required, but for the average commercial place such a system does not now seem practicable. Consequently we have to depend on a paint or wash for this purpose, and the ideal preparation for this kind of shading does not appear to have been reached yet. Various growers use various preparations, among them being naptha and white lead, kerosene and white lead, lime wash and sundry water paints, all of them, with the possible exception of the lime wash, mounting up quite rapidly in the item of cost, and during a showery season causing a great deal of extra labor.

In handling palms much depends on the care they receive just after repotting, and it pays to give a little more attention to watering, syringing and ventilation at that special period. A newly potted palm should never be allowed to get very dry, or its roots get a check that takes them a long time to get over, and later in the season the poor condition of the plant will often be credited to sour soil, over-watering, or some unknown disease. It is attention to the small details that brings success in plant growing in general, and palm growing is no exception to the rule.

Regarding insects, it is sometimes claimed that growers who practice vaporizing with certain insecticides, or regular spraying with tobacco preparations, have no trouble from noxious insects, but notwithstanding these claims, it really does appear at times as though there must be a class of immunes among these insect pests, and we find at such times that we are compelled to return to first principles, and give the plants a good washing. A brush, for example a tooth brush or similar weapon, is often recommended for the removal of scale insects from palms, but this also has its disadvantages unless very carefully used, for a stiff brush in the hands of a muscular cleaner is likely to result in permanent injury to some of the foliage.

Variegated aspidistras in well grown plants are always useful to have, for no other plant of similar beauty possesses the same amount of endurance, and while frequent repottings are not needful in this case, yet even an aspidistra will respond to liberal treatment. The early spring is a good time for the division of these plants, and the rhizomes from a few strong clumps, if cut into short pieces and planted in boxes or pans of light soil, may be made into a nice crop of young stock for the following season. Pandanuses of the two leading species, P. Veitchii and P. utilis, are still in demand, providing the plants are stocky, well-furnished and of good color, and to produce plants of this description the stock should not be permitted to get badly pot-bound before being repotted, and though the pandanuses do not need full exposure to the sun during the heat of summer, yet they should have plenty of light.

Ficus elastica, when well grown, continues to find a ready sale, in fact it seems extraordinary where all the ficuses go each season, when we take into consideration the great numbers that are produced in several of our large cities, and in addition to these a considerable number have been imported in small

sizes of late years. Dracænas are spoken of to a greater extent than in former years, and it seems possible that there may be a revival of interest in these beautiful plants. Many of the species are doubtless too tender for general use, but there is also room for improvement in the methods of growing them, to the end that they may be placed on the market in such a hardened condition that the plants would endure more exposure. A race of American hybrids among the dracænas, for example, some in which bright coloring was combined with some blood of D. congesta or some other sturdy grower, might find an opening among the decorative plants of the future.

W. H. TAPLIN.

CARNATIONS.

HEATING CARNATION HOUSE.

ED. AM. FLORIST:—How shall I pipe a carnation house 30x200, the north wall of which is five feet high, the south wall four feet and the ridge twelve feet? The heater is a hot water boiler capable of heating 10,000 square feet. I should like to have the three center beds on the ground, with two benches, two and one-half feet wide, at the walls. D. M. R.

There are several methods of piping that will give good results. When overhead flow pipes are to be used four 2½-inch pipes can be carried on the purlin posts, from one to two feet below the glass, to the farther end of the house, where they should be connected with ten 2-inch return pipes. Three of these should be under each of the side benches, and two in each of the inside walks. For under-bench piping twelve 2½-inch or fifteen 2-inch pipes should be used. One-half of these can be used as flows and the others as returns, or, if there are several houses, all of the pipes may be used as flows and connected at the farther end with a common return. L. R. T.

A GROWER'S PLAINT.

To have the full measure of success in the business of growing carnations there should be closer relations between the growers and the retailers. As matters now stand a grower situated some distance from his market, who does not get into direct contact with the retail trade, is at a great disadvantage by not knowing exactly what to plant.

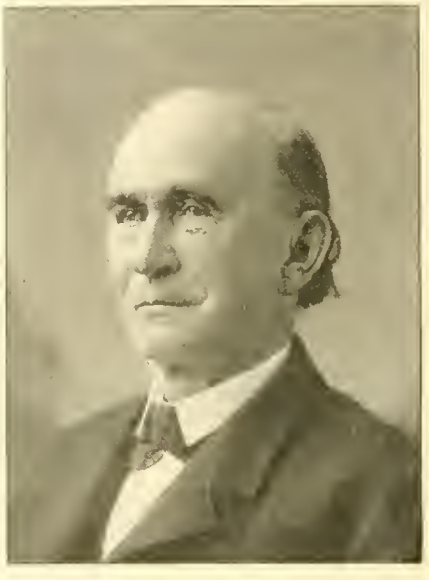
The retailer has the advantage if a variety does not sell, simply refusing to handle it, but the grower may have a house of it planted and he is going to sell the product of the house for something and try and get enough out of the balance of his place to make up the loss on this particular variety, and in this way the retailers' interests are indirectly affected.

Perhaps no better illustration of this phase of carnation culture can be given than the case of Gen. Maceo and Gen. Gomez, similar in color and both good commercial varieties from a grower's point of view. There were quite enough plants sold last season to have permitted a fair test of their value to the retailer but I have never heard or read an expression by a retailer giving a clue as to which of them was finding the most favor with the buyers of carnations.

Some say Gen. Maceo is too dark under artificial light and in their eyes Gen. Gomez is the better of the two, but a far greater number prefer Gen. Maceo on account of its being a trifle larger, and it has other points in its favor. This is the growers' opinion, but when it comes to a matter of color a grower is not the best judge of what to produce, and there is danger of too many Gen. Maceo being planted for the wants of the trade next season, a danger that could easily be avoided if the retailers would tell us which of these two find the most favor with their customers and about what proportion of these colors can be sold.

To my mind Gen. Gomez is the better color and the variety most desirable to grow, and yet when I told this to a grower he accused me of knowing better and simply wanting to unload Gomez cuttings on him. He was red hot for Maceo and thought it was the proper color. Which of us was right?

I would like to plant a house of either Gomez or Maceo if the flowers from it could be sold next season, but am afraid to do it on account of the experience I had with yellow varieties a year ago. I had as fine yellow carnations as were



THE LATE ISAAC HICKS.

produced anywhere in the country but after about a month's shipment of flowers in the beginning of the season I was notified by my buyers that they could not sell them and that I should send no more of that color. The result was that I had two houses of yellow carnations to dispose of with no buyers for them and I do not care to repeat the experience. So instead of planting a house or two with the dark shades for next winter I shall plant but a portion of a house to each of three varieties in this color and wait until another season before deciding what to plant.

This waiting two or three years is perhaps good, old-fashioned policy, but I might be making a goodly sum of money out of one or the other of these varieties in the interval, if the retailers would only express their ideas of the selling qualities of carnations as they are introduced by the growers. ALBERT M. HERR.

COLUMBUS, O.—Justice Andrews has decided that the lease of Hester Getz, who occupied a portion of the jewelry store room of F. R. Cross & Co. with flowers and art ware, has expired and has given possession to Chas. Roth, well known as a florist.

Helpful Reminders.

Although Begonia Gloire de Lorraine is a desirable plant for Christmas, do not neglect propagating the older B. incarnata. This makes a larger plant and for some purposes is far superior. For long sprays for cut flowers or some effective decoration the Gloire de Lorraine cannot hold a candle to it.

Bring a batch of Spanish iris into a cool house. They will make considerable long narrow foliage which should not be broken down with heavy syringing.

If you have lilies or anything that has become infested with greenfly, sprinkle tobacco dust on them; it is the best way of cleaning them while buds are forming.

Any one carrying a general stock should not fail to have a Strelitzia reginæ in the open ground. They thrive in a house kept from 50° to 60° and multiply like callas, the large orange and purple flowers attracting considerable attention.

Rhyncospermum jasminoides is of little value carried in pots but affords quantities of beautiful sprays if grown in open ground and trained over a wall.

Where Cypripedium insigne were repotted last fall or late summer, they will be starting new growths now and should be encouraged; a good growth of well developed foliage is what will insure you flower buds later on.

Bougainvilleas should be placed in more heat now; give plenty of water and see that drainage is perfect.

Be careful of condensation on foliage caused by the cool atmosphere of early mornings. Gardeners who do their own firing are apt to stay in bed when they are sure danger of frost is past, thus damaging crops that have been successfully brought through the winter. Where there is shading, this is less apt to occur for the same reason that we do not have white frosts with cloudy skies; I need not stop to explain here.

Be on the lookout for imperfect glass burning your foliage; it is safest to put Aurora C sheeting over all your palms and ficuses.

For summer flowers, a very taking thing and easily grown is the tritoma; be sure yours are starting; you cannot afford to be without them.

If you are a member of the S. A. F. make out a list of the supplies you will need and send it in to the purchasing committee. C. B. W.

Spring Exhibition at Boston.

Good weather favored the exhibition this year. The display was full, brilliant and well worth a visit, and there was no apparent reason why the public should not have crowded the halls continuously, other than the general indifference to horticultural shows that has prevailed for some years. The attendance was certainly disappointing.

From an expert point of view there was not much of special interest, new varieties being conspicuously absent, and no notable advance in cultural achievement over late years being apparent, but this could hardly have been looked for, so high a degree of excellence having been attained before by the skillful gardeners who are the main contributors to this show.

The display of spring flowering bulbs was gorgeous in the extreme, there being not far from 1,000 large pans and pots of these brilliant subjects in the upper hall. Hyacinths, while not to be compared with those shown years ago when the competition for the Dutch medals

was on and when an exhibitor did not mind paying a dollar or two for the right kind of a bulb, were fully up to the quality of late years and as good as they can be done with the commercial grade of bulbs now generally used. Dr. C. G. Weld, Kenneth Finlayson, gardener, took most of the first prizes and Mrs. J. L. Gardner, Wm. Thatcher, gardener, most of the seconds, and these were the principal contributors. In tulips Dr. Weld, W. S. Ewell & Son and E. S. Converse, D. F. Roy, gardener, were the main competitors and the prizes were awarded in the order named. Like the hyacinths, tulips lacked in novelties, but one new one, Queen of the Netherlands, a blush white from Dr. Weld, was much admired. The narcissus section showed some advance, especially in the line of single trumpets. Dr. Weld, H. S. Rand and W. S. Ewell & Son were the winners. From W. S. Ewell & Son and Dr. Weld came magnificent general displays of spring flowering bulbs and there were special entries in lily of the valley, crocusses, freesias, Roman hyacinths, ixias, tritonias, etc, from both these exhibitors, also from the Bussey Institution, Mrs. J. L. Gardner and J. Burnett, and fine longiflorum lilies from E. N. Pierce & Son.

Dr. Weld was in the lead on ericas, flowering stove plants, hard-wooded greenhouse plants and polyanthuses. The varieties shown were mostly identical with those of previous years. Acacias, pubescens, Drummondii and armata, made a gorgeous show. Mrs. J. L. Gardner's contributions in these classes were also very effective, one Acacia heterophylla being especially fine. Her hardy primroses were very good, making a better showing of these pretty subjects than has been seen here for some years.

In orchids but two specimens were entered, a Cattleya Schrœderæ with forty-nine blossoms, from Bayard Thayer, Jas. Brydon, gardener, and a Dendrobium nobile from J. C. Whitin, Wm. McAllister, gardener. In climbing roses there were but two plants shown, a Carmine Pillar and a Crimson Rambler, both handsome specimens and both from C. H. Souther, C. Sandiford, gardener. Cyclamens, as heretofore, occupied the position of honor in the hall. Mrs. B. P. Cheney, John Barr, gardener, swept all the premiums in the open class and J. S. Bailey, Wm. Donald, gardener, did the same in the class limited to 7-inch pots. Cinerarias were well displayed by C. H. Souther, Mrs. J. L. Gardner and Dr. C. G. Weld. Cineraria stellata from Mrs. Gardner attracted fully as much attention as the fancy florists' varieties.

Azaleas have never before been shown so meagerly here. H. H. Rogers and Dr. Weld were the only contributors and about $50 of prize money was uncompeted for in these classes. The fine collections of forced hardy shrubs and native herbaceous plants from the Bussy Institution found as many admirers as did anything else in the hall. Norris F. Comley showed some very good violets in nine varieties and Rea Bros. made a pretty display of Primula Sieboldii. Begonia Gilsoni from Walter Hunnewell, T. D. Hatfield, gardener, showed up well.

The gem of the exhibition was Jackson Dawson's new ever-blooming multiflora rose, Little Tot, which was awarded a certificate of merit. Yomanaka & Co. received honorable mention for an interesting collection of dwarfed trees and Japanese curios. Mrs. Cheney showed a group of Magna Charta roses and Jas. Comley a miscellaneous collection in which was a superb plant of white genista from seed collected by him in Japan.

The cut flower display was very good, carnations, violets, pansies and hybrid roses being shown in excellent shape. Margaret Dickson, Magna Charta, Mme. Gabriel Luizet, Gen. Jacqueminot, Paul Neyron and Marquis de Castellane were among the handomest of the hybrids, the exhibitors being C. H. Souther and Col. Chas. Pfaff, Geo. Melvin, gardener. On tender roses there was no competition, F. R. & P. M. Pierson being the only exhibitors of American Beauty, and W. H. Elliott the only exhibitor of Bride, Bridesmaid and Meteor. Carnot, Kaiserin and Liberty were not shown and so $140 of rose prizes revert to the treasury. Vases of fifty assorted blooms were staged by J. W. Howard and Miss M. S. Walker.

Carnations were good, and their arrangement in tall vases on a roomy table extending the length of the lower hall was very effective. Briarcliff Greenhouses and M. A. Patten were the chief exhibitors, Mr. Patten being first with vase of 100 assorted and with twenty-five crimson, and Briarcliff first in all the other classes. G. H. Crane, Frances Joost, Mrs. Jas. Dean, White Cloud, Gold Nugget and Mrs. Bradt were the principal varieties staged. Col. Pfaff and J. W. Howard were second and third on 100 assorted blooms. Norris F. Comley took all the violet prizes. The showing of pansies was excellent, W. C. Ward being the winner. C. H. Souther showed a group of Cineraria stellata, H. A. Wheeler a table of orchid blooms, J. W. Howard antirrhinums, E. N. Pierce & Son mignonette and Geo. Anderson and M. R. Cushing carnations.

CATTLEYA × THAYERIANA.

Cattleya × Thayeriana.

The illustration produced herewith is that of a new seedling cattleya the parents being C. intermedia × C. Schrœderæ alba. The cross was made March 26, 1896, the seed sown April 14, 1897, and the first of the plants is now in bloom. It is a desirable plant, being a great improvement over the seed parent C. intermedia. The color is a delicate pink throughout, the tube of the lip being primrose yellow with a purple irregular shaped blotch in the center. The name given above is provisional, and may stand in the event of the cross being unflowered in Europe.

E. O. ORPET.

Some Good Plants for the Home.

[*Paper read by A. Blanc before the Philadelphia County Farmers' Institute, February 24, 1900.*]

This subject has been gone over so carefully on previous occasions, by Mr. Craig and others, that it seems almost needless to discuss it again. Few, if any, new plants have appeared of late that can be added to the list of desirable plants mentioned heretofore, which consists principally of araucarias, palms of various sorts, ficus, cycas, dracænas, pandanuses, crotons and ferns, all of which are popular as house plants and last in perfection for quite a time, providing adequate light is given and careful attention paid to watering. The washing of the leaves is of the utmost importance with all those mentioned.

There are, however, quite a number of flowering and foliage plants that I have found easy to grow under adverse circumstances. Anthurium Scherzerianum,

for instance, blooms freely in almost any light window and will stand more cold than imagined. Abutilon Savitzi will bear many degrees of frost and not lose a leaf. Bougainvillea Sanderiana, cut back late in the year, kept rather dry in a cold cellar, can be flowered easily in a bay window. Many of the begonias, especially B. semperflorens gracilis, bloom in 2-inch pots and, so to speak, forever afterwards, providing they are re-potted when needed. What is more beautiful than Asparagus Sprengerii, especially the new compact sort. Ardisia crenulata always attracts attention when in berry, and the otaheite orange when in fruit. The latter will soon be entirely superseded by the dwarf oval Japanese kumquat, which bears innumerable little golden oranges that can be eaten right off the plant. It grows and fruits well in the house and is nearly hardy.

Nothing will probably ever equal the Boston fern and the other members of the nephrolepis family, but some of the Australian tree ferns, especially Alsophila Australis, make very fine specimens indoors in a very short time. This variety might well be called the water fern; it just revels in it and preserves its foliage for a long while. The lace fern, Polystichum proliferum, has been taken hold of lately, and I know it to be one of the best room ferns that can be had. Japanese fern balls made up of roots of Davallia bullata are an "old novelty" revived and really do very well in living rooms. They would last longer if made up of peat and moss instead of pure sphagnum. Aspidistras have long been grown. I know of a fine plant of Sanseviera Zeylanica that has been grown for years, winter and summer in a south window. Its peculiar thick leaves, variegated green and gray, always attract attention.

Among other plants that the florists do not grow we find the æchmeas and bromelias, and yet they are far easier to handle and certainly fully as handsome as the dracænas. Their gorgeous flowers are delightful, they do not drop their leaves and will stand rough treatment even better than a cactus. The papyrus, if more plentiful, would become very popular. It grows almost like a weed when once well established. Carex Japonica variegata and quite a number of the marantas, especially the varieties Makoyana and Massangeana, and even the various peperomias are not difficult to manage and I well remember a magnificent specimen of Peperomia Mexicana trailing down three feet below the pot, grown in a room having only two windows. Of course much depends upon the grower; one must not expect to grow a fine ficus from a leafless stalk stuck in some poor soil, as attempted by some folks.

I have grown dieffenbachias, with their grand mottled leaves; Phrynium variegatum, so beautifully variegated with green and white; fittonias, marbled with pink and white; Pothos aurea, with large leaves splashed with golden yellow, and found them all far easier to handle than geraniums. The new Ruellia Makoyana grows well in the shade and blooms freely; its leaves are also quite showy.

Kalanchoe flammea, of which so much has been said in trade papers of late, is recommended as a market plant. It is still unknown in this country but from illustrations it appears to be exceedingly showy. All the kalanchoes do well indoors. The variety K. carnea is in bloom the year round, but the finest I have ever seen is the Kalanchoe marmorata, which bloomed at the Kew gardens only a few years ago. It makes a fine show plant, with large, succulent leaves six to eight inches long and five inches wide, of a light silvery green spotted with purple, the whole surmounted by a dense cluster of pure white flowers four inches long; many a time have I counted thirty to forty flowers open at one time. Many other succulent plants are worth growing as house plants by those who like them. Cacti of all sorts are used, especially those grown for their odd shapes. For Easter flowering none can equal the comparatively new Epiphyllum Gaertneri, which blooms when only a few inches high.

Besides those already mentioned, it is not difficult to succeed in growing and blooming many choice plants, even in a crowded city, such as Spiræa Anthony Waterer, the new deutzias of Mr. Lemoine, especially the variety compacta, the new russellias and browallias, tecomas,

AQUILEGIA CŒRULEA IN POT.

the baby primrose, Linum trigynum, the various justicias and others.

Among flowering bulbous plants, what could be handsomer than the grand amaryllises raised by Veitch and others, producing two and three spikes to the bulb with flowers eight to ten inches across, or the gorgeous imantophyllums, with dense clusters of orange flowers a foot across? Certainly the various callas should not be disdained, now that the golden yellow sorts are becoming cheap, and whoever chooses to take a little extra trouble could enjoy in the house those great floral pictures called Brazilian caladiums. Of course, much will depend on your surroundings. Those who are fortunate enough to live in the country have every advantage over those hemmed up in crowded cities. Fresh air, plenty of light, pure water, pure and rich soil is really all that is needed to grow all kinds of plants in the dwelling as well as the florist does in his greenhouses, and sometimes even better.

PORT CHESTER, N. Y.—The Westchester County Gardeners' Association had an interesting carnation exhibition at their February meeting. Geo. M. Hay and Wm. Hay won first and second premiums respectively and a special award was made to Jos. Dexter for a collection of superb California varieties. J. N. May showed Olympia in good form.

Pot Columbines.

One of our representatives calling at Denver, Col., some time ago found that the native columbine of that region, Aquilegia cœrulea, is occasionally grown there in pots for indoor use in winter and spring, with such delightful result as may be imagined from the accompanying illustration. It is true, of course, that the proper place for columbines in summer is the flower border or rock garden, and in these locations they are all very charming plants; but they are none the less welcome additions to our greenhouse flora on that account. Owing to the rather fleeting character of their flowers, it is doubtful if pot grown columbines will ever be extensively used by our floral artists. There may be, however, some small demand for them, and in this connection it should be remembered that the flowers of the double and semi-double varieties remain perfect much longer than those of the strictly single sorts, although it must be admitted the latter are always the most graceful and beautiful, eclipsing in these attributes many more popular garden flowers.

In the long list of species of aquilegia there is none quite so beautiful as the typical form of A. cœrulea. The flowers are of a delightful light blue tint, such a shade indeed as one could fancy clothing the tips of its native Rockies, merging them with the skies beyond to the delusion of the spectator. But it is an extremely variable plant and the type is quite rare even in its native wilds. The variation is found chiefly in the flowers, the color ranging from blue to white with many intermediate blendings. The form shown in the picture had blooms of a lavender shade.

We have seen A. Canadensis, with orange-scarlet flowers, similarly grown in pots for the adornment of greenhouses and conservatories in winter and spring, and its bright color renders it very serviceable for this purpose.

A Notable Carnation House.

The illustration herewith is from a photograph of the new carnation house at Briarcliff Farm, Scarborough, N. Y., that has been attracting wide attention, both on account of its unusual size and for the quality of the stock produced. The photograph was taken in December, when the plants were still comparatively small. This house is situated on the estate of Walter W. Law, Esq., one of the most famous estates in the country, consisting of over 3,000 acres and known far and near as the source of Briarcliff milk and cream, the product of over 400 Jersey cattle that are bred and cared for in the most approved scientific and sanitary manner. The greenhouse shown is of the latest iron frame construction, facing the south, three-fourths span, heated by hot water. The size of the house is 51x306 feet. Of the house Paul M. Pierson, the manager, says:

"This is a rather decided departure from the usual house eighteen or twenty feet in width and no doubt some of the 'wise ones' will say it is too wide, but the quality and quantity of stock produced proves, at least to our satisfaction, that we have the right conditions for successful carnation culture. So well are we convinced of this that we are erecting a duplicate house. The benches are all on the level and are seven in number, each five feet wide, running the

THE NOTABLE CARNATION HOUSE AT BRIARCLIFF FARM, SCARBOROUGH, N. Y.

length of the house, except that there is a cross walk in the center."

There are eight other smaller houses in the range, of the usual type. The varieties grown are Mrs. G. M. Bradt, G. H. Crane, White Cloud, Gold Nugget, Mrs. Dean, Mrs. Joost, Jubilee, Flora Hill, and a number of other sorts which will be discarded to make room for the best of the recent introductions and to permit increased planting of the sorts named above

Boston.

BUSINESS FAIRLY SATISFACTORY.—WHITE CARNATIONS THE PRINCIPAL SHORTAGE.—PROSPECTS FOR EASTER.—PARK DEPARTMENT INVESTIGATION PROGRESSING.—KEEPING QUALITIES OF OLYMPIA.—HARRIS TO LEAVE THE HUNNEWELL ESTATE.—VARIOUS PERSONAL NOTES.

Wholesalers report an excellent out-of-town trade during the past week and local business is generally satisfactory to all. The unusual number of deaths from grippe, pneumonia, etc., while not pleasant to contemplate, may be alluded to as responsible in part for the brisk demand, especially or white flowers. White carnations would be in short supply anyway, as the crop seems to be off on all sides, and it appears that the proportion of whites planted last fall was less than heretofore. Roses are selling fairly well, Beauty alone showing a slight downward tendency in price, partly on account of the Brunners, which are coming in moderate quantity. Lilies hold up to record prices for the season and lily of the valley is moving reasonably well but, other than these, bulbous stock generally is having a hard time. Violets, continue, as during several weeks past, in excess of the legitimate demand and are seen on every street corner at very low prices.

Nothing can be said yet regarding Easter prices or Easter prospects in the cut flower line. Plant growers are busy, however, locating orders for Rambler roses, lilies, azaleas and other standard stock, and all are greatly elated over the advance contracts already secured. Wm. Edgar, who has the finest acacias ever seen in this market, is receiving calls from all over New England for them and states that the call for Begonia Gloire de Lorraine surpasses all expectations. It now looks as though stock of this popular plant would again be scarce this year.

The sensational park department investigation is going on with sessions daily now and the reported proceedings make very interesting reading. As the motives of the investigators are gradually exposed by the counsel for the park commissioners, ex-Mayor Mathews, contempt for the entire affair grows, and the grotesque alliance of saloon keepers, sentimentalists, discharged employes, politicians and misfit doctors will, in all probability, get more than it anticipated before it gets through.

Horticultural Hall has again been invaded by thieves, this time the library room being the scene, and two owners are mourning the loss of their overcoats. This is a sure sign of a late spring.

The writer took home sample blooms of the new carnations exhibited at the time of Mr. Ward's lecture here, to test their keeping qualities. Today, after eleven days keeping, Olympia is in perfect condition and better, if anything, then when received.

W. A. Twombly has been confined at home for some weeks with a very painful abscess on the spine.

The firm of N. S. Wax & Son has dissolved by mutual consent, Henry Wax retiring, and the business at 56 Winter street will be continued by N. S. Wax.

W. H. Elliott has gone to Old Point Comfort to recuperate.

Spring exhibition is on this week. Full account in another column.

F. L. Harris, who has had charge of the H. H. Hunnewell estate at Wellesley for forty-six years, has resigned, and on May 1 will retire, to take a well-earned and much-needed rest.

E. N. Pierce was presented with a handsome gold watch and chain at his home in Waverley by a party of 175 members of the Boston Market Gardeners' Association on March 13.

J. H. Woodford, chairman of the committee of arrangements of the Massachusetts Horticultural Society, is dangerously ill with pneumonia.

Crocuses and snowdrops are already blooming in sunny corners.

John Patterson, once gardener for the Misses Pratt, at Watertown, died on Thursday, March 15.

Philadelphia.

QUIETUDE PERVADES THE CITY OF BROTHERLY LOVE.—PRICES WEAKENING SLIGHTLY.—SPRING SHOW OF THE HORTICULTURAL SOCIETY.—SOME EXCELLENT EXHIBITS.—LIST OF THE AWARDS.—VARIOUS NOTES OF INTEREST.

Things are moving along quietly in this Quaker City. The only thing that might have caused a flurry was the spring show of the Pennsylvania Horticultural Society, but the "saddest of all" lines apply here with great force, and the week passes without event. Prices are softening a trifle but scarcely enough to change the quoted list of last week.

Beauties are becoming a trifle more plentiful and $5 per dozen is now asked for the best and this is shaded even full twenty per cent to the slow buyer. The extra teas bring $10. Carnations are still a little stiff at $2 for anything worth having. Bulb stock is plentiful at from $3 to $4.

The spring show of the Pennsylvania Horticultural Society was probably as good as might be expected and got all the patronage it deserved. Perhaps we expect too much, but we think not. In these progressive days, when there is so much life and activity, there should be a little mite from each active member contributed to help on the good work, but only a comparatively few take interest and to them, of course, should be given all praise.

There were some good things at the show, including some fine specimen ferns, two plants of gleichenia, by Thos Long. We question if their equals can be found in this country. A new double pink petunia, Perfection, raised by E. Banyard & Son and exhibited by H. F. Michell, was commented on by good judges as being ahead of anything in that line that they had yet seen. Joseph McGreggor staged some fine plants of zonale geraniums which were much admired. Joseph Heacock exhibited some of his premium palms, which, for perfection of everything that is required in palms, could not well be improved upon. They received a certificate of merit for culture.

Hugh Graham made an elegant display in the center of the hall with some of his electric light ball room fixtures, set in a circle, in the center of which was a stand surmounted by a fine Boston fern and decorated with palms and cut flowers. Cut flowers and smilax were filled in baskets at the base of the lamps. This, together with choice ferns and palms and two fine plants of Acacia pubescens, made a very artistic arrangement, which was very much admired. J. Kift & Son made a display of their adjustable flower vase holders, showing their effectiveness in mirror and other forms of decoration. They also produced a trailing rose effect with laurel leaves and branches, producing the effect of a large rose climbing about the wall and windows to a height of twenty feet or more. A rubber-capped vase on each rose kept the flowers fresh for some days.

The rose competition for the special prizes was quite keen. There were six vases of twenty-five Beauties, four-foot stems. The committee of judges, Messrs. A. B. Cartledge, L. Pennock, George Craig, Rob't Crawford and Rob't Kitt, were the gentlemen who offered the prizes. They voted by the entry number for their choice without consulting each other and, although all the roses were fine, only two obtained votes, one having three for first and two for second, the other two firsts and three seconds Myers & Santmann were first and Joseph Heacock second.

Other entries were made by G. Anderson, J. E. and A. L. Peunock, A Fahrenwold and J. Burton. Joseph Bevis was first for fifty Bridesmaids; Myers & Santmann, second. First for Brides was won by Jos. Bevis; second by Jos. Heacock. John Burton won the Meteor prize, while John Savage was given first for any other color for a fine vase of Mme. de Watteville. Scott & Son exhibited a vase of fine Liberty and the new hybrid tea, Robert Scott, which was given a certificate of merit.

H. Weber & Sons won a certificate of merit for Genevieve Lord, while Robert Craig & Son won a silver medal for the best 100 pink with a vase of fine Ethel Crocker. A fine exhibit of the Marquis was received at 5 p. m., three hours after the judging was completed. They were very fine flowers and were much admired.

Among the other prize-winners were the following:

Begonias, rex varieties: By John W. McCleary, gardener to William Weightman, School lane, second prize; on azaleas, specimens plant, Class 5, first prize.

Ferns, specimen plant: Exhibited by Thomas Long, gardener to George W. Childs Drexel, Bryn Mawr, first prize. Croton, two plants: By Joseph Hurley, gardener to James M. Rhodes, were awarded a certificate of merit. The marguerites, in this section, three plants, won first prize, and the collection of flowering plants gained a certificate of merit.

Narcissus (daffodils), three varieties, Joseph Hurley, first prize, who also took second prize. Lilium Harrisii, six plants, Joseph Hurley, first prize, and on asparagus a certificate of merit. Narcissus, single varieties, Golden Spur, Empress, King Umberto, Sir Watkin, Henry Irving, Countess of Annesley and Emperor, by Joseph McGregor, gardener to Mrs. Thomas A. Scott, Lansdowne, took first prize.

Violets, four pans, John McCleary, gardener to William Weightman, School lane, first prize. Violets, Joseph Hurley, gardener to James M. Rhodes, Ardmore, second prize. Pansies and hyacinths, by Joseph Hurley, first prize.

Ivy geranium, by John Hobson, gardener to Edward A. Schmidt, Radnor, certificate of merit. Zonale geraniums, six new varieties, by Joseph McGregor, first prize; also first prize on lily, specimen plant; zonale geraniums, specimen plant, and zonale geraniums, six plants.

Primula Chinensis, six plants, by John McGowen, gardener to W. M. Bayard, Germantown, first prize; and second prize to John T. Whittaker, gardener to Charles F. Lennig, Andalusia. Primroses, English hybrid, first prize to John McCleary, who also secured first prize on daises.

Roses, specimen plant, by George W. Brown, gardener to Robert G. Carson, Chestnut Hill, first prize; also genistas, three plants, first prize. Cyclamen, three best plants, by John T. Whittaker, gardener to Charles F. Lennig, Andalusia, first prize; John McCleary took second prize.

Calceolaria hybrida, first prize to Wm. Kleindinz, gardener to P. A. B. Widener, Ogontz. Hyacinths, twelve best blooms, by Joseph McGregor, gardener to Mrs. Thomas A. Scott, Lansdowne, first prize.

In Class 44, tulips, six pans and six varieties, first prize went to John McGregor; special prize on hyacinths, best twelve blooms, second prize went to John McCleary and first prize to Joseph Hurley.

Take it on the whole the show was pleasing to look at but on account of the poor advertising was not as well patronized as it should have been.

Robert Craig has returned from his western trip and is telling, with some reservation, of the good things he saw while there. There are many good things, notably carnations and chrysanthemums, that the west has given us, not to speak of the good citizens, some of whom can quote scripture. There are also some gilt edged eastern novelties, one of which is ripening up nicely and will soon be placed on view.

Robert Scott & Son are busy these days packing Liberty plants. Mr. Scott says that, although they have had good success with their cuttings and grafts, they cannot keep pace with the orders. This rose is certainly growing in popularity and will, without doubt, become one of the standards.

Chas. D. Ball has received a shipment of iron gutters from G. M. Garland, Des Plaines, Ill., for his new range of houses.

In town: Benjamin Durfee and Mr. Clark, of Small & Sons, Washington; Sam'l Feast, Baltimore; Wm. Burnham and Mr. Reikert, New York; H. Weber; Oakland, Md.

New York.

LENT HAS LOST ITS TERRORS.—NO CONGESTION OF THE MARKET AND EASTER IN SIGHT.—POOR STOCK MOVES SLOWLY.—VARIOUS ITEMS.

Lent is slipping away nicely, without having strained the flower business very severely. The anticipated congestion has not yet materialized, thanks to the weather, partly, and, with the exception of the bulbous flowers, which have had slow work all season, violets, which have been in over-supply for weeks, and roses, which are beginning to drag in the lower grades, there is nothing that can be complained of in reason. White material still has the advantage, white carnations especially. American Beauty begins to feel the pressure from Jacqs and Brunners, but these are coming in quite lightly as yet. Cheap grades of roses are hard to unload, even the Greeks spurning them.

The Market Florists' Association met on March 15 and voted to commence spring business at Clinton Market on Saturday, May 24

Much interest attaches to the coming exhibition of the rose society. Many strangers are expected from all directions.

T. W. Lydecker, of Englewood, has built a house 20x117, especially for American Beauty. It is even-span with the walk all around the sides.

Southern daffodils are being sent to the market in crates and, while they about ruin the local product, it is not easy to dispose of them at any price.

J. K. Allen has been receiving elegant Jacqs for two weeks, the best grade selling for $25 a hundred.

Regular auction sales have begun at the down town salesrooms and will be held every Tuesday and Friday hereafter.

Visiting New York: E. M. Wood, Boston; Carl Jurgens and Carl Jurgens, Jr., Newport, R. I.

Oceanic, N. J.

The Monmouth County Horticultural Society held its regular semi-monthly meeting March 16. The proceedings were of much interest to the large number present. The ball committee reported all bills paid and a surplus of over $40 on hand. Short speeches were made by Prof. C. H. Walling, T. S. Barkuloo, H. A Kettel, N. Butterbach and others. T. S. Barkuloo was appointed a committee of one to take steps for the incorporation of the society. The secretary was instructed to notify every member to be present at the next meeting for the transaction of some very important business.

B.

FENTON, MICH.—Geo. Bridson is seriously ill with pleuro-pneumonia.

Chicago.

THE CASE OF THE VIOLET.—A STORY OF UPS AND DOWNS.—AN EXPERT OPINION.—A SEVERE SHORTAGE OF WHITE CARNATIONS.—LILIES SAID TO BE PLENTIFUL FOR EASTER.—AFFAIRS AT POEHLMANN'S.—WEBERS TO HAVE A FINE PLACE.—AT REINBERG'S.—PROSPECTIVE BUILDING AT HINSDALE.—PERSONAL MENTION HERE AND THERE.

The violet has been the only item on the cut flower list which has not been aggressive for the past ten days. To be sure, values are generally lower than they were a few weeks ago but there has been no over-supply except of the bunches of blue. With the beginning of last week conditions were such that violets moved well at fair figures, but the first sign of frost cut off the market and during the continuance of the cold spell there were unwieldy quantities in all the commission houses, with the result that a great many growers will be disappointed with the returns which they will receive, but producers should understand that, at this season particularly, the weather is a most important factor in the violet market and that icy blasts always penetrate to the heart of violet values. With the beginning of this week things brightened somewhat and the return of spring on Thursday made a better market, but at no high figures. E. E. Pieser is of the opinion that the people have had enough of the violet for the season and that hence forth the sales will make a comparatively low average. Business has been good this week and roses and carnations have moved rapidly. Carnation supplies have been less than the demand. There has been a "famine" on white and all others except Scott and the reds have been short, so that prices in general have far exceeded those of the corresponding period of last year. Among the specialties nearly everything is doing fairly well, but pansies have rather hung back recently. All eyes are now turned toward Easter with a prospect of only fair supply. There promises to be goodly numbers of lilies available but there seems to be no considerable stock of pot plants in this market on which the retailers can rely in case of shortage of cut blooms.

Everything in the Poehlmann Bros.' thirty-three houses is looking well, including a large lot of longiflorums which will be in for Easter. They also have a quantity of marguerites which will be in. They have done splendidly with these, having sold large numbers at Christmas. This firm is one of the largest bulb forcers in this market, and among the many things they will have for Easter will be a big crop of tulips. Their place is ten years old and has been conducted by the three brothers up to two weeks ago, when Adolph Poehlmann retired.

When A. Grossman has finished rebuilding his range of glass north of town the Weber brothers will again take hold of the place, having made a five years' lease. They will have about 30,000 feet of glass, devoting it to roses, Beauties and teas, and J. A. Budlong will handle the cut. Ernest Weber is, in the interim, with Sam. Pierce, and Fred Weber is assisting Grossman in the work of reconstruction.

Peter Reinberg has determined to put up his 1900 addition adjoining his present range instead of at some distance, as was contemplated. He has the iron gutter up, much of the lumber and hundreds of boxes of glass on the ground, and will rush the work of erection as soon as the frost is out. He is meeting with splendid success with his carnations this year and is selling large quantities of cuttings.

Bassett & Washburn are figuring on duplicating the carnation house 30x580 put up last year. While the matter is as yet undetermined, if any building is done it will be on this pattern, as Mr. Bassett considers this the best house they have on the place.

Phil. Scott called on several members of the trade this week, en route from Buffalo to Denver, where he is to take charge of the store of the Park Floral Co. He was accompanied by Michael Bloy's wife and child, Mr. Bloy having preceded Mr. Scott by three months.

O. W. Frese has taken charge of the sales for George Reinberg, succeeding Robert Northam, who goes with the Weiland-Risch Co. Mr. Frese's retail store on State street will hereafter be conducted by his brother, H. C. Frese.

Miss Grace Todd has resumed charge of E. C. Amling's books and cash drawer after an absence of two months. Miss Todd is an adept at handling a commission florist's accounts.

John Ring, at one time a rose grower for Vaughan, but recently employed at potting by Bassett & Washburn, was killed by the cars on March 18.

C. L. Washburn is at home from West Baden, nicely rested up for the Easter rush. He says he has never known business to be so good through Lent.

Early Monday morning fire did $170 damage in the retail store of Chas. Wieglick, 239 North State street. There was insurance of $1,000.

Kennicott Bros. Co. reports that the retailers are taking to mahonia leaves. They have just received another large shipment.

Randall's is a cheerful place these days, and the Bowmanville rose growers are correspondingly happy.

F. F. Benthey says he has never known a year in which carnations have brought the growers such good returns through Lent.

Adam Zender is preparing to build three new rose houses, for which he will use Garland's iron gutter.

H. B. Beatty, of Oil City, Pa., treasurer of the S. A. F., is in town for a few days in quest of recreation.

McKellar & Winterson are offering flowering plants for the Easter trade.

The "Old Reliable" isn't saying a word but C. M. Dickinson wears a look of contentment which speaks of good business.

St. Louis.

TRADE ACTIVE AND CARNATIONS VERY SCARCE.—AN UNUSUAL CONDITION AT THIS SEASON.—EASTER PROSPECTS.—MEETING OF THE ENGLEMANN CLUB.—SPECIMENS OF BOTANICAL INTEREST.—PERSONAL AND OTHER MATTERS.

Business has been good during the week with all the retail stores, the demand being principally for white stock. Carnations have been in heavy call and there seems to be an unusual shortage for this time of the year. Some of the older florists say they never saw carnations so scarce and so much in demand at this season as they are just now. Roses are more plentiful, except American Beauties. Long-stemmed Beauties still go at a premium; $4 to $6 per dozen, wholesale, is not considered too high for perfect flowers. There is an over-supply of Meteors, as the demand runs more for white, pink and yellow. The crush of violets seems to have eased up a little, as there are not so many on the street; consequently the demand is heavier in the stores and the prices have advanced. The florists are now looking up stock for Easter and the prospects are for a good all-around business. The cut flower part will greatly depend upon the supply. As Easter comes late this year the chances are there will be plenty of stock in the market and prices will not be as high as has been the case in former years. The greenhouse men all show a fine stock of plants but it looks as if Harrisii lilies will be scarce.

The Englemann Botanical Club held its winter meeting on March 17. The exhibition proved a very attractive affair; it was well attended. Winter specimens were on exhibition, including twigs of trees, roots and early flowers, mosses, lichens and fungi. These had been secured from the immediate vicinity of St. Louis. There were also pussy willows from the Ozarks. The winter growth of plants and shrubs, also the several varieties of mosses and lichens, proved of considerable educational value to the visitors. The most interesting of all the specimens were those illustrating the process of germination of corn, peas, beans, potatoes and other specimens, which had been placed in water about a fortnight and which had sprouted. The various steps were explained by Miss Hirta Toeppen, of the Mary Institute. Another feature was the specimens of native woods, quarter sawed and showing their natural colors. Specimens of the common and of the poisonous weeds were numerous, for the club is anxious to instill in the minds of the young a wholesome awe of the poisonous varieties. Many of the public school teachers accompanied by their pupils were in attendance. The club has decided to hold another exhibition during the month of May.

The St. Louis bowling team has not yet decided when they will visit Chicago, but think it will be some time after Easter, as most of the boys are too busy now. In the meantime they expect to get well into practice, so the Chicago bowlers had better get down to work.

Mr. P. D. Hauser, of P. D. Hauser & Son, San Antonio, Tex., passed through St. Louis on his way to Palestine. Mr. Hauser is traveling for pleasure.

Fred. Foster, at Eighth and Olive streets, reports a stranger at his house, an eleven-pound boy.

Miss Badaracco has had a fine display of fancy carnations in her window.

Visitors in town: S. S. Skidelsky, Philadelphia; E. W. Guy, Belleville, Ill.

J. M. H.

FLORAL PARK, N. Y.—Alfred H. Walker, foreman for J. Roscoe Fuller & Co., has leased the greenhouses of Mrs. H. Sherber, at Queens, L. I., and intends to grow for the trade.

KANSAS CITY, MO.—Albert Barbe is planning extensive improvements to his place this spring. He expects to remodel 10,000 feet of glass and to add 7,000 square feet of new houses.

SALT LAKE CITY, UTAH.—The Sugar House Floral and Seed Company has been incorporated with a capital of $6,000 by L. Dannenfelzer, H. Schwarz, S. Heinecke, J. A. Peters and M. Grimm.

OLEAN, N. Y.—D. R. Herron, who grows carnations exclusively, has a fine stock this year. Every one of his 40,000 plants is in the pink of condition. He will add two houses to his range this season.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

GREEN arsenoid is said to be very much superior to Paris green as an insecticide.

GREENHOUSE builders report that they are receiving large numbers of inquiries for supplies in their lines.

CLEMATIS INDIVISA, with small creamy white flowers, produced in long, twining sprays, is gaining favor for florists' use.

THE first exhibition of the American Rose Society will be held next week, March 27-29, at the Eden Musee, New York.

OUR special spring number will be issued next week, March 31. Advertisements intended for this number should be mailed early.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Lager & Hurrell register Cattleya Trianæ, Nettie Martin. Flowers of medium size and well balanced; sepals and petals light lilac; lip very large and open, somewhat flattened; throat with a large blotch of straw buff color, encircled with a broad band of lilac.

WM. J. STEWART, Sec'y.

Greenhouse Building.

Stockbridge, Mass.—Dr. Haven, one greenhouse.

East Gloucester, Mass.—John F. Wonson, one house, 40x40.

Malden, Mass —E. D. Kailback & Son, one house 24x100.

Olean, N. Y.—D. R. Herron, two carnation houses.

Lafayette, Ind.—H. Roth, three houses.

Anna, Ill.—C. Finch, one house.

Scranton, Pa.— Hillside Home, one house.

Those Frenchmen.

The French *Journal des Roses* has made a discovery and gives up nearly half a page to comments, under the title of "New American Roses." We translate somewhat freely:

"The horticultural journals of Chicago and New York announce with a grand flourish of trumpets the introduction to commerce this spring of the new roses Liberty and Meteor, two marvelous novelties the merits of which will be exceptional, as are those of all things which come to us from America!!!

"The variety Liberty produces roses deliciously perfumed like the American Beauty; they are paler in summer but in autumn the color is much like the deep crimson of the Gruss an Teplitz, of which the *Journal des Roses* published a colored plate in September. The rose Meteor produces a marvelous amount of bloom during August, September and October, its flowers surpassing General Jacqueminot. * * * It is probable that these are hybrid remontant roses. The future will show us whether they are worthy of the praises which the Yankees are showering upon them. Buyers be careful!!! Remember the rose William Francis Bennett!!!"

Who can fathom the depths (and shallows) of a Frenchman. Here is a venerable horticultural paper which does not know that the Meteor rose has been grown by the million here for years, which does not know that Liberty is not an American rose, that William Francis Bennett was not an American rose and that none of these is a hybrid remontant.

Chrysanthemum Judging in England.

The English Chrysanthemum Society has recently adopted a scale of points for judging chrysanthemum blooms. Three points each are allowed for breadth, depth, form, solidity, color and finish, making a total of eighteen points. A variety must score fifteen points to receive a certificate. A reward of merit will be given when the score is twelve points or more and less than fifteen and commendation for those scoring nine to eleven points.

For market or commercial varieties the scale is entirely different being as follows: Habit of growth, three points; freedom of bloom, three points; color, three points; suitability for cutting, three points; total, twelve points.

We note that Mr. Molyneux displays considerable pessimism when speaking of the difficulties to be met with when working under the new scale.

The Return of the Rosebud.

Until the present season, for a number of years back one might have searched every flower store in New York, Boston and Philadelphia, yet failed to find one bud of either Bon Silene or Safrano roses and still there are many of us who can remember the time when these two varieties furnished the principal supply of roses for the cut flower trade of the country. In those days of semi-double varieties a full blown rose was regarded with something of the same feeling as the sleepy carnation and scentless violet are to-day but with the advent of the more double-flowered sorts a change was wrought in this regard and the appearance of the Mermet, Bride and American Beauty signalized the downfall of the old favorites whose hold on the popular favor had already been weakened by the growing popularity of Niels, Jacqs and hybrid perpetuals.

Then began in earnest the craze for bigness and in the scramble the beauty and appropriateness of the little rose buds for many purposes, was forgotten by the fickle flower fanciers and it was not long before the sweet little Bon Silene to which, more than any other, the flower trade owed its prosperity, forsaken by growers and buyers alike, soon disappeared from the marts.

But there are signs of a renaissance. Occasionally one sees a handful of the old-fashioned buds on the wholesaler's counter and they are eagerly snapped up. Growers may be heard occasionally debating as to the advisability of acceding to the request of the retailer that they "put in" a house or two of the old favorites for the accommodation of his critical trade and if convinced that the present fancy has sufficient depth to it to warrant the risk, they are very likely to try it. It is encouraging to note that the demand comes not alone from the beaux and belles of the long ago, to whom the bright color and fragrance have a delightful reminiscent charm, but from the up-to-date flower buyers who, thoroughly tired of the monotony of Brides, Maids and Meteors, are ready to welcome anything in the way of a change and from those too, whose purchasing of flowers and use of flowers is guided by artistic taste and who are glad to see revived once more the refined sentiment that has been buried for so many years under the despotism of fashion.

Heating a Hotbed.

ED. AM. FLORIST:—I have a hotbed 6x13 feet, covered by four sash 3½x6 feet, which I have heated with horse manure covered by four inches of soil. How shall I pipe this to heat it with hot water to above the freezing point in zero weather? What size of pipe shall I use and how should they be placed?

H. F. R.

A hotbed six feet wide can be heated by running a 2-inch hot water pipe along the north side, across the end and back on the south side. If a hotbed is to be constructed with the idea of heating it by means of hot water, it will be best to have it even span, sloping to east and west. For heating such a hotbed, a 2½-inch flow pipe can be run along under the ridge. At the farther end of the bed 2-inch pipes can be taken off in either direction and connect with one 2-inch return pipe on each side of the bed.

L. R. T.

Hot Water Under Pressure.

ED. AM. FLORIST:—I see in the AMERICAN FLORIST of February 17 that C. W. Ward refers to hot water under pressure. Please explain how to run the heating system under pressure. I have five houses with one large main pipe running through the shed, each house being connected by a small pipe. I now use hot water, feeding the system from a tank twelve feet high. Can this system be arranged for hot water under pressure? How should the pipes be located?

W. S. J.

A hot water system can be very readily placed under pressure if the pipes run down hill. The use of a riveted, boiler-iron expansion tank is desirable. This should be connected with the highest part of the system, and the overflow pipe may be connected either with the top or the side of the tank. A safety valve should be placed upon the overflow pipe and between the safety valve and the tank there should be a vacuum valve. The safety valve should be set to work at from twenty to thirty pounds, as if there is no relief for the expansion of the water an explosion will result, which might be more serious than a steam explosion. When an open hot-water system is used it is not possible to raise the water in the boiler above 212°, but with a closed system the formation of steam is prevented, and the temperature of the water can be greatly increased, but as there is great danger from an explosion it should only be used in strong systems, and then the pressure should be kept well within the danger limit. When hot water under pressure is used there is a considerable saving in the amount of piping, but it is

less economical in fuel than an open system. While it has some advantages in large establishments, the principal use of a closed system is to help in maintaining the desired temperature in severe weather where the radiation is not sufficient to do it with an open system.

L. R. T.

OBITUARY.

ISAAC HICKS.

The Quaker nurseryman is dead. At the ripe age of 85 years this pioneer of the nursery trade on Long Island succumbed to an attack of paralysis on March 13, a sudden closing coming to a long, prosperous but peaceful career. Mr. Hicks was born in a house still standing at Westbury, and came of the sturdy Quaker stock which was identified with the East India trade in the early days of New York. His is a long-lived family, many of its members having passed the ninetieth milestone and several have become centenarians before reaching the end of their journey upon life's highway. It was in 1853 that Isaac Hicks established the Westbury Nurseries, now conducted by his son and grandson, Edward Hicks and Henry Hicks. For many years the founder carried on the business, applying the teachings of the brotherhood of Friends to all his dealings and building a trade as unassailable as his own reputation. In recent years one of the specialties of the establishment has been the transplanting of large trees, and many a modern mansion on Long Island is surrounded by splendid specimens which stood for many years in this old nursery. Since laying down business cares Mr. Hicks has given free rein to his inclination to reproduce on canvas his closest friends, the flowers and birds, for he had the artistic tastes and talents of his forefathers.

Catalogues and Cut Flower Price Lists Received.

Fred'k W. Kelsey, New York, N. Y., trees, shrubs and plants; Walter A. Potter & Co., Providence, R. I., seeds, plants and bulbs; H. T. Harmon & Co., Portland, Me., seeds, implements, dairy and poultry supplies; John H. Dunlop, Toronto, Ont., roses; Floral Nursery, Dubuque, Iowa, plants, bulbs and seeds; State Nursery Co., Helena, Mont., plants; James C. Murray, Peoria, Ill., trees, shrubs, plants and seeds; John Forbes, Hawick, Scotland, plants; Vilmorin-Andrieux & Co., Paris, France, dahlias, cannas and chrysanthemums; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; Wm. F. Kasting, Buffalo, N. Y., cut flowers; Welch Bros., Boston, Mass., cut flowers; W. Atlee Burpee & Co., Philadelphia, Pa., flower culture; The Rural Science Teachers' & Employment Agency, Durham, N. H., teachers; P. S. Peterson & Son, Chicago, Ill., trees, shrubs and herbaceous plants; Edward Gillett, Southwick, Mass., shrubs, hardy ferns and flowers; Floral Glen Greenhouses, Des Moines, Ia., plants; H. House & Co., Hiram O., seeds, plants and bulbs; Trumbull & Beebe, San Francisco, Cal., seeds; F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., seeds, bulbs and plants; George B. Moulder, Smith's Grove, Ky., aquatics; Isaac Hicks & Son, Westbury Station, N. Y., trees and shrubs; Parrys' Pomona Nurseries, Parry, N. J., fruit and nut trees and berries; Sunnyside Floral Nursery, Fayettesville, N. C., trees, shrubs and plants; J. Woodward Manning, Boston, Mass., trees, shrubs and hardy plants; O. W. Rich, Atlantic, Ia., berries; Takaghi & Co., Tokyo, Japan, trees, shrubs, bulbs and seeds; Otto Heyneck, Magdeburg, Germany, chrysanthemums, bulbs and seeds; Holton & Hunkel Co., Milwaukee, Wis., carnation cuttings, cut flowers and florists' supplies; E. H. Hunt, Chicago, Ill., cut flowers and greenhouse supplies; E. C. Amling, Chicago, Ill., cut flowers; Kennicott Bros. Co., Chicago, Ill., carnation cuttings and cut flowers; Cincianati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; J. B. Deamud, Chicago, Ill., cut flowers.

ELMWOOD, IND.—Wm. H. Woerner has purchased the land and greenhouses of Mrs. M. E. Goode and will add a new rose house in time for early planting.

WILLIAMSPORT, PA.—The celebrated case of Coleman vs. Gorman in which the courts were asked to declare the defendent's greenhouses a nuisance because they threw a glare of light into the complainant's windows, is in a fair way to settlement. Coleman has agreed to drop the matter if Gorman will paint his glass from May 1 to September 1 and this, it is understood, he will do.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—As working foreman, roses, carnations and general stock Address A B C. care American Florist.

SITUATION WANTED—Salesman and designer, store or greenhouses. East preferred. K. care W. J. Stewart, 67 Bromfield St, Boston.

SITUATION WANTED—By single, Christian young man. Have had 4 years' experience in private and commercial lines. Best of references Address S G. care American Florist, Chicago.

SITUATION WANTED—By a reliable man, 25 years in the business in England and America Specialties, roses, carnations, etc. First class reference. Give full particulars, with wages. Address O K, care American Florist.

SITUATION WANTED—By experienced florist; good designer, decorator, etc. Roses, 'mums, carnations, violets, specialities 20 years' practical study. Best references Address FLORIST, 1021 West Third St, Canton, O.

SITUATION WANTED—By expert gardener, well up in every branch of horticulture; married; will go as single if wished; sober and industrious. Private place preferred References from Europe and this country. Address A. care Am. Florist.

SITUATION WANTED—As foreman or manager on commercial place, or head-gardener on private place; 25 years' experience in general gardening. Orchids, palms, ferns, roses, carnations, 'muma, etc. Best of references Address B. W. J. Stewart, 67 Bromfield St., Boston, Mass.

SITUATION WANTED—By a middle aged English landscape gardener, on private or commercial place. A No. 1 propagator; thoroughly understands the growing of stove plants, and could take charge of a small commercial place No cows or horses. Apply to ALFRED HUMPHREYS, Beran St, Cohoes. N Y.

WANTED—Lady florist. R. HILMERS. 3307 Cottage Grove Ave., Chicago.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS. B. BULL, Bakersfield, Cal.

WANTED—Vegetable gardener all the year round, for greenhouse and field. Address Box 141, Station I, Des Moines, Iowa.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—Second man, single, to grow carnations. Wages $45.00 per month, with room. References needed. State experience Address T R. care American Florist.

WANTED—PARTNER—In well established catalogue and local business, wholesale and retail. Will bear investigation. Address W. W. WESTGATE, Brunner, Texas.

WANTED—Young man for first-class flower store. Must be a hustler, and willin. to work at anything. State experience and wages wanted. GASSER'S, Euclid Ave., Cleveland, O.

WANTED—Rose grower, capable of taking charge. A1 man. First-class references required or need not apply. Must be single. Good wages. Address A A S. care American Florist, Chicago.

WANTED—Young lady, good designer, to take charge of flower store at Duluth. Car fare paid and $10 per week Address RELIABLE, care American Florist, Chicago.

WANTED—A rose grower who thoroughly understands growing A No 1 stock The right party will have a good position. First-class references required. Address M K, care American Florist.

WANTED—At once, a young man, German; must be sober and reliable, for general greenhouse work Wages $15 per month with board and room. Work easy; place steady all the year round. Address J. RINDFLEISCH. Beloit, Wis.

WANTED—A competent man (German preferred), for general greenhouse work, who can eventually take charge of place, if necessary. State wages expected with or without board Address O. R. DEMMLER, Eau Claire, Wis.

WANTED—A first-class plantsman, one who is able and willing to work. Send references and wages expected. Steady situation to the right party—none other need apply. Married man preferred. Address B L F, care American Florist

WANTED—A single man to grow bedding plants. Good, quick potter, etc. State wages expected, with or without board. All particulars first letter. Address HALE SITE, Box 42, Huntington P. O., Suffolk Co., L. I., N. Y.

WANTED AT ONCE—Assistant florist or gardener for general work around greenhouse; must be steady and a good worker. Steady position to right man. Answer, stating wages expected with board and room. Address B F T, care American Florist.

WANTED—To buy good second-hand glass house about seventy feet long, to remove—lean-to preferred—must state all following particulars or no attention paid: Height width, length, aproximate roof-pitch, lean-to or span, age and cash price. Address P. O BOX 123, Bronxville, New York.

WANTED AT ONCE—A competent, single man—German preferred to take charge of 20,000 feet of glass in roses, carnations and general stock, doing wholesale and retail business. Wages $30 per month and board. None but a live man need apply. Address Box 173, Sharon, Pa

FOR SALE OR RENT—Commercial place; location the best. R D BAKER, Canon City, Colo

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners Only $500 cash. Account sickness Write quick. FREE FUEL. care Am. Florist.

FOR SALE—Lebanon Greenhouses and residence; established business; no competition; houses stocked. Failing health compels sacrifice. Write for particulars NEAL & CO, Lebanon, Ind.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land; 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

To Lease,

12 Greenhouses, about 60,000 feet of glass. Filled with palms, roses, carnations and miscellaneous stock.

Business established 17 years, and will be leased to responsible parties only. April 1st. All stock to be sold by inventory. Located within 50 miles of New York City. Address

JOHN YOUNG, 51 W. 28th St., New York.

FOR SALE

102 acres fine land, part cultivated	$2,800.00
Lot 52x241, four greenhouses, sheds, etc...	3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain....	3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling	4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc.....	6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business	7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling	9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

When corresponding with advertisers, mention the AMERICAN FLORIST.

Brunner, Tex.

Wm. Walter Westgate reports that all the florists in this section have as much business as they can attend to this season. He has just added a greenhouse 16x40 and has gone into the seed business in a small way. He reports the results thus far as beyond his hopes and he will go in heavier next year.

La Crosse, Wis.—Carl Schaffer is the leading spirit in the organization of a florists' club here, a step which will be taken within the month.

Wholesale Flower Markets

CINCINNATI, March 22.

Roses, Beauty, select	40 00
" " medium	25.00
" Bride	5.00@ 7.00
" Bridesmaid	5 00@ 7 00
" Meteor	5.00@ 7.00
" Perle	4 00@ 5 00
Carnations	1 50@ 2 00
" fancy	3 00
Lily of the valley	3.00
Violets	50.@ .75
Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3.00
Dutch "	4 00
Callas	10.00@12 50
Harrisii	10.00@12.50
Daffodils	3 00
Tulips	3 00@ 5.00
Asparagus	50 00
Smilax	15. 0
Adiantum	1.00
Common ferns	.20
Galax leaves	.15

ST. LOUIS, March 22.

Roses, Beauty	10.00@15.00
" " fancy	20.00@30.00
" Bride, Bridesmaid	6.00@10.00
" Meteor	4 00@ 8 00
" Perle, Wootton	3.00@ 5 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4.00
Violets	.30@ .50
Narcissus	3.00
Romans	2.00@ 3.00
Callas	10.00@12.50
Harrisii	10.00@12 50
Tulips	2.00@ 4.00
Freesias	1.00@ 1.50
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00
Sweet peas	.50@ 1.00

MILWAUKEE, March 22

Roses, Beauty, long, per doz.	3.00@ 4 00
" " medium " "	1 50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	6 00@ 8.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1 00@ 1.50
" fancy	3 00@ 4.00
Violets	.50@ 1.00
Roman hyacinths	3 00
Daffodils	2 00@ 3 00
Mignonette	2.00@ 3.00
Adiantum	1.00@ 1 50
Common ferns	25
Smilax	15.00@18.00
Asparagus	75.00
Galax leaves	.20

PITTSBURG, March 22.

Roses, Beauty	3.00@45 00
" Bride, Bridesmaid	3.00@12.00
" Meteor	3.00@12.00
" Kaiserin	3 00@12.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6.00
Carnations	1 50@ 4.00
Lily of the valley	2 00@ 4.00
Violets, double	.20@ .75
" California	.30@ .50
Daffodils	2.00@ 3.00
Roman hyacinths	1 50@ 3.00
Harrisii	10 00@12.00
Freesias	1 00@ 1 50
Tulips	2.00@ 4.00
Pansies	.75@ 1 00
Daisies	1.00@ 2.00
Mignonette	1.00@ 4.00
Smilax	12 50@15.00
Wild Smilax, per case	3 50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax leaves	.15

DENVER, March 21.

Roses, Beauty, select	32.00@48.00
" ordinary	10.00@20.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Perle, Wootton, Niphetos	4.00@ 6 00
Carnations, ordinary	1.00@ 2.00
" fancy	3.00
Lily of the valley	4.00@ 5.00
Violets	50@ .75
Callas, per dozen	1.50
Harrisii "	1.50
Narcissus	3.00@ 4.00
Daffodils	3 00@ 4.00
Tulips	4.00
Sweet peas	1 00
Asparagus	50 00
Smilax	17.00
Ferns	.30
Galax leaves	.20

SPRING SALE ...OF... ORCHID PLANTS The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CATTLEYA TRIANÆ		18 00

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. per dozen, $1.00
DRACAENA TERMINALIS nice plants, 2½-in. " 1.00
(*Special prices will be quoted on application for these plants in quantity from the sand.*)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

"Handsome Is as Handsome Does."

To strike an attitude--say "look at me, I am the only one" is good as far as it goes--it will do for children.

To keep on adding to your customers and growers while retaining those you had, constantly doing more in spite of off seasons--is better.

We are doing business.

E. C. AMLING,
32-34-36 Randolph St.,
WALTER S. HEFFRON, Mgr. ...CHICAGO, ILL.

WHOLESALE CUT FLOWERS.

GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe Sprays, address the Introducer,
HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Cincinnati.. Cut Flower Co.,
W. A. MANN.
FRANK W. BALL.
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

HUDSON & CO.
WHOLESALE FLORISTS,
1527 PINE STREET,
Phone, Kinloch D 83. ST. LOUIS, MO.
Consignments Solicited. Prompt returns guaranteed.

WM. L. LINGENBRINK,
Wholesale Florist.
FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
1005 Seventeenth St., Denver, Col.

HARDY Cut Ferns!
$1.00 PER 1000.

GALAX LEAVES.....$1.00 per 1000
BOUQUET GREEN.....4 cts. per lb.
SPHAGNUM MOSS.....75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order.....3 to 8 cts. per yd.
XMAS TREES, both Spruce and Balsam, for decorations, from 4 to 20 ft. Price very reasonable.
BAILED SPRUCE, for cemetery use, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

TELL THEM WHERE YOU SAW THE AD.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen.

	Per Dozen.
AM. BEAUTIES, Ex. long	$3.00 to $5.00
" 24-inch stems,	2.50
" 20 " "	2.00
" 15 " "	1.50
" 12 " "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 1.50
BRIDES	4.00 to 6.00
BRIDESMAIDS	4.00 to 6.00
METEORS	4.00 to 6.00
PERLES	3.00 to 5.00
VALLEY	3.00 to 4.00
TULIPS	2.00 to 4.00
LIL. HARRISII	10.00 to 12.50
CALLA LILIES	10.00 to 12.50

	Per 100.
DAFFODILS	$3.00
VIOLETS, double	.75 to 1.00
" single	.50
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	1.00
ASPARAGUS	50 cts.
SMILAX	$1.50 per doz.
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS	$1.50 per M. .20

WILD SMILAX. (Caldwell's.)

No. 1 contains	15 lbs.	$2.50
No. 2 "	20 lbs.	3.50
No. 4 "	35 lbs.	4 50
No. 5 "	40 lbs.	5 50
No. 6 "	50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc. MASSACHUSETTS FANCY FERNS, 1000 $1.50; 5000 lots, $6.25.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

GEO. REINBERG,
Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,
Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

Wholesale Flower Markets

CHICAGO, March 23.

Roses, Beauty, extra long stems	4.00
" " 30 inch "	3.00
" " 24 " "	2.50
" " 20 " "	2.00
" " 15 " "	1.50
" " 12 " "	1.25
" " 8 " "	1 00
" Bride, Bridesmaid	5.00@ 8 00
" Perle	4.00@ 6.00
" Meteor	5.00@ 8.00
" La France	6 00@ 8.00
" Golden Gate	8.0 0@10.00
Carnations	1.50@ 2.00
" fancy	3.00@ 4.00
Violets, double	.50@ 1.00
" single	.40@ .50
Lily of the valley	3.00@ 4.00
Cattleyas per doz.	4 00@6.00
Dendrobiums "	3.00
Lilacs "	.75@1.00
Mignonette	1.00@ 2.00
Roman hyacinths	1.00@ 2 00
Dutch hyacinths	4 00@10 00
Narcissus	3 00@ 4 00
Harrisii	10.00@12 00
Callas	8 00@10 00
Freesias	1 00@ 3 00
Tulips	2.00@ 4.00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy ferns	.20
Smilax	8 00@10.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO

E. H. Hunt
THE "OLD RELIABLE" FOR WHOLESALE
CUT FLOWERS
Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL
Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,
37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.
F. F. BENTHEY, Manager,

Wholesale Commission Florist
41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.
Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers
504 LIBERTY ST. 'PHONE 2157.

Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT 1763 COL. BOQUET PITTSBURGH, PA. — Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

Wholesale Commission Florists.

New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

LONG DISTANCE TELEPHONE.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN FLORISTS' SUPPLIES

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, March 21.

Roses, Tea	4.00@ 8.00
" extra	10.00@12 00
" Beauty, extra	40.00@50.00
" " firsts	20.00@35.00
" " seconds	6.00@12.00
Carnations	1.50@ 2 00
" fancy	2.00@ 4.00
Lily of the valley, Romans	3.00@ 4 00
Violets	50@ 1.00
Daffodils	3 00@ 4 00
Mignonette	2.00@ 4 00
Asparagus	50 00
Smilax	15.00@20.00
Adiantum	1.00@ 1 50

BOSTON, March 21.

Roses, Beauty, extra	30.00@50.00
" " medium	15.00@20 00
" " culls	2 00@ 5.00
" Bride, Bridesmaid, Meteor	2.00@ 6 00
" " extra	8 00@12.00
Carnations, ordinary	1 00@ 2.00
" fancy	2 00@ 4.00
Lily of the valley	2.00@ 4.00
Violets, single and double	20@ .50
Daffodils	1.50@ 2 00
Tulips	2.00@ 3.00
Longiflorums	10.00@12.00
Callas	6.00@ 8 00
P. W. narcissus, Roman hyacinths	1.50@ 2.00
Mignonette	3.00@ 4 00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

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Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

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Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

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1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

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Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

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JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES. BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

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Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
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WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq.
39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists.
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, March 21.

Roses, Beauty select	30.00@35.00
" " medium	10.00@20.00
" " culls	2.00@ 5.00
" Bridesmaid, Bride, Meteor	2.00@ 6.00
" " " Select	8.00@10.00
Carnations	1.00@ 1.50
" fancy	2.50@ 5.00
Lily of the valley	1.00@ 2.00
Violets	.25@ .50
Romans hyacinths	.75@ 1.00
Yellow narcissus	1.00@ 2.00
Tulips	1.50@ 3.00
Mignonette	2.00@ 5.00
Sweet peas	.50@ 1.00
Callas	6.00@ 8.00
Harrisii	8.00@12.00
Lilac, per bunch	.50
Freesias	.50@ .75
Cattleyas	30.00@50.00
Smilax	10.00@15.00
Asparagus	35.00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, March 22.

Roses, Beauty	5.00@60.00
" Bride, Bridesmaid, Meteor	4.00@10.00
" Perle, Niphetos	3.00@ 6.00
" Kaiserin	6.00@ 8.00
Carnations, ordinary	1.00@ 2.00
" fancies	3.00@ 4.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1.25
Mignonette	2.00@ 4.00
Daffodils	3.00@ 5.00
Roman hyacinths	2.00@ 4.00
Harrisii	12.00@16.00
Callas	8.00@10.00
Tulips	3.00@ 5.00
Smilax	15.00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	.15
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN IS NOW AT 106 W. 28th St., NEW YORK CITY,
where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square
.....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT McCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

SUCH items as peas and beans as are in apparent surplus are weakening considerably in price.

ONION set prices show an upward tendency. Since the warmer weather set in the demand has been quite brisk, and the probabilities are that the prices will rule much higher before long.

WE learn that some of the experiment stations are now taking to the free distribution of plants and seeds. We trust their efforts in this direction, carried on at public expense, are confined to commodities not readily obtainable through the regular merchants.

The Government Seed Contract.

On March 20, Secretary James Wilson, of the Department of Agriculture, placed the government seed order for 1901 with the New York Market Gardeners' Association, which executed the order in 1899. The following bids were received:

Ullathorne Seed Co., Memphis	$ 67,500.00
New York Market Gardeners Ass'n	68,874.12
Chas. Parker, Santa Clara, Cal	75 000.00
Henry Phillips Seed Co., Toledo	77.696.01
J. M. Thorburn & Co., New York	94,098.00
O. H. Will & Co., Bismarck, N. D.	134,504.34

The bid of the Ullathorne Seed Company was withdrawn and the contract given to the next lowest bidder. The order calls for 15,086,968 packets of seeds. Of this number 13,936,000 are vegetable seeds, 1,000,568 flower seeds and 150,400 field and lawn grass seeds.

The Maryland Seed Bill.

The seed men of the Chamber of Commerce are anxiously waiting to hear from Mr. Duncan, chairman of the city delegation at Annapolis, who has been requested to appoint a time and day to hear the opposition to the bill regulating the sale of seed which has been introduced in the Maryland Legislature. Seed dealers say that the passage of this bill would kill their business. It is claimed that the object of the bill is for the protection of the farmers, and provides that with every sale of seed in quantities of more than one pound a certificate must be given by the dealer from whom it is purchased indicating the percentage of germinating seed, the percentage of purity and the percentage of seeds of weeds.

The bill also provides for an annual appropriation of $1,000 to the Maryland Agricultural College for the purpose of testing the sample sent by the dissatisfied purchaser. The seed men claim that it is almost a matter of impossibility to live up to the requirement of this bill, and not only does it affect them, but also the country store dealers, who also sell seed.—*Baltimore News, March 17, 1900.*

Nashua, N. H.

Geo. E. Buxton has a bench of white antirrhinums that is superb, a perfect little forest of spikes about two and a half feet high. Grown as he does it, this is one of the finest of florists' flowers. Carnations are also fat and clean and there will be a good crop of lilies for Easter.

August Gaedeke & Co. are doing a very heavy local business. The houses are filled with roses, carnations, lilies and bedding plants. On each support all through the houses a swainsonia is trained and there's money in it.

Judge Hoitt gave a reception to Prof. Louis C. Elson on the occasion of his musical lecture on the evening of March 16. The entertainment was lavish, as always where Judge Hoitt is concerned. About sixty prominent gentlemen of Nashua were present and Boston was represented by F. R. Mathison and W. J. Stewart.

J. R. Paul has resigned his position as superintendent of the cemetery to take charge of James Mackey's estate on Long Island.

Toledo, O.

Nelson G. Trefrey is corresponding with General Leonard Wood, at Havana, with a view to being authorized by the government to plant eucalyptus trees about Havana as a preventative of yellow fever, a matter in which Mr. Trefrey takes great interest.

George Heinl has greatly improved his already fine store by adding a suitable office and a decorative plant house built in the best style.

Bernard Schramm is growing some fine Harrisii lilies. The stalks are about three feet tall and many of them bear eight flowers.

Mrs. E. Suder is growing some very fine carnations. She anticipates good business in cut flowers until after Easter.

Davis & McGee are cutting some fine roses and report the demand equalling the supply in all lines.

George Bayer is making daily consignments of cut flowers to Kennicott Bros. Co., Chicago. J. E. K.

MERIDEN, CONN.—R. W. Barrow has moved into new quarters at 62 West Main street.

PROVIDENCE, R. I.—Timothy McCarthy, superintendent of Swan Point Cemetery, delivered a very instructive address before the Beacon Hill Improvement Association, on the evening of March 13, the subject being "Tree Planting on Our Public Streets." A number of beautiful colored lantern slides were used in illustration of the points commented upon by the speaker.

SPECIAL OFFER OF BULBS AND CHOICE FLOWER SEEDS

FOR SEEDSMEN AND FLORISTS.

Asters, Semple's True Branching, mixed	per ¼ oz. 20c; per oz. 50c; per pound $5.00
" " " " shell pink, white and red	per ¼ oz. 25c; per oz. 75c
Asparagus Plumosus Nanus	per trade packet (25 seeds) 30c; per 100 seeds, $1.00; per 1000 seeds, $9.00
" Sprengerii	per trade packet (25 seeds) 25c; per 100 seeds, 75c; per 1000 seeds, $5.00
Begonia, single tuberous rooted, separate colors	per doz. 40c; per 100, $2.50.
" " " mixed	per doz. 35c; per 100, $2.00; per 1000 $18.00
" double " mixed	per doz. 65c; per 100, $5 00
Gloxinias, choice mixed	50c per doz.; $3.00 per 100; $27.50 per 1000
Hyacinthus Candicans (choice bulbs)	25c per dozen; $1.50 per 100
Iris Pumila, mixed	35c per dozen; $1.25 per 100; $10.00 per 1000
Lilium Tigrinum (Tiger lily)	per dozen, 50c; per 100, $2.75
" Flore Plena	per dozen, 65c; per 100, $3.50
Montbretia Crocosmæflora, yellow and crimson, fine for cutting,	10c per doz.; 60c per 100; $5.00 per 1000
" Potsii, orange and red	10c per doz.; 50c per 100; $4.50 per 1000
Oxalis, summer flowering, mixed	10c per dozen; 35c per 100; $2.50 per 1000
Spotted Callas, (Alba Richardia Maculata)	per dozen 45c; per 100, $2.75
Tigridia Pavonia, alba grandiflora, and orange	per dozen, 30c; per 100, $2.00
Tuberoses, No. 1 double pearl, fine large bulbs	75c per 100; $6 50 per 1000
" No. 2 double pearl	50c per 100; $3.50 per 1000

Send for new Wholesale List for March. **JOHNSON & STOKES,** 217 and 219 Market Street, PHILADELPHIA PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

CHOICE FLOWER SEEDS FOR FLORISTS

is now ready. A post-card will bring it to you.

We have still on hand some of our

LILY OF THE VALLEY PIPS,

the finest that come to this country.

Per 1000, $10; cases of 3000 at $9 per 1000

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Tuberous Begonias, single, five separate colors extra fine large bulbs, ⅝-inch, per 100, $2 50. Double, in separate colors EXTRA large ⅝-inch stock (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs per 100, $3 00. Cannas in choicest sorts, $2.00 to $8 00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Sprengeri seed, 100 75c; 1000 $6 00. Asparagus P. Nanus (TRUE) 100 $1 00; 1000 $9 00 Latania Borb. 100 40c; 1000 $2 50 Pandanus Utilis, 100 $1.25; 1000, $10 00. Cocos Wedelliana, 100 $1 00; 1000 $7.50. Send for our NEW spring list. Address
H. H. BERGER & CO., 47 Barclay St., N. Y.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6 00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Seeds.

Primula Sinensis, Rolker's large-flowering, ¼ oz. $3.50; packet 25c.; best English mixture, packet 50c. **Cineraria** hybr. grandifl., choicest English, packet 50c. **Cyclamen** splendens grandifl., 500 seeds $2 50; separate colors, 100 seeds 60c.; best English mixture, packet $1.00. **Asparagus Sprengerii**, 1000 seeds $7.50; 100 seeds 80c. **Pansy**, Rolker's Giants, ¼ oz. $1.25; packet 25c.; Trimardeau, ¼ oz. 75c.; packet 25c. **Other seeds** see general Trade list, mailed free.

August Rolker & Sons, 52 Dey St., New York.

Send Your Advertisement NOW

FOR THE

Special Spring Number

Vaughan's New Upright White Branching Aster.

In habit of growth this new Aster resembles the Truffaut Pæony-flowered type, but the plants grow from 10 to 12 inches taller. The flowers are large, very double, pure white, and of the true "Semple" type. The plants grow about 30 inches high, and produce from twenty to twenty-five flowers, which are borne on stems from 20 to 25 inches long. Its *upright habit* admits of close planting, and it will attain full growth when set only 10 to 16 inches apart. The growing of many plants in a small space is a decided advantage when raised under glass. **Per oz., $1.00; half oz., 60c; ¼ oz., 35c.**

Victoria Aster—Vaughan's Improved

—This is undoubtedly the finest Aster in cultivation, and the most profitable class for Florists, for cut flowers and pot culture.

Snow White.
White, turning to Azure blue
White, tinted with Pink.
Dark Crimson.
Light Blue.
Indigo Blue on white ground.
Bright Scarlet.
Light Blue and White.
Dark Blue.
Bright Pink.
Bright Rose, tinged White.

Each of the above, per trade packet, 25c; ¼ oz., 45c; oz., $1.50.

Many colors, in splendid mixture, trade packet, 25c; ¼ oz., 40c; oz., $1.25.

Queen of the Earliest.—White, the earliest of all. Trade packet, 20c; ¼ oz., 50c.

Queen of the Market. This is the best early Aster, producing fine, large, double flowers of good form on long wiry stems, flowers should be cut before they are fully opened.

White, Pink, Light Blue, Crimson, and Mixed, each, per oz., 50c; per ¼ oz., 20c; trade packet, 10c.

Giant Comet Aster.

	Tr. Pkt.	Oz.
White .... ¼ oz., 30c:	.15	$1.00
The Bride, white, passing to rose .... ¼ oz., 45c;	.25	1.50
Crimson	.25	1.50
Sulphur Yellow	.25	$2.00
Dark Blue	.25	1.50
Rose .... ¼ oz., 45c:	.25	1.50
Mixed .... ¼ oz., 30c;	.15	1.00

ASTER, Truffaut's Pæony-Flowered Perfection.

A splendid sort for Cut-Flowers, large and double. Height, 2 feet.

Snow White.
Pink.
Crimson.
Shining Blue-Black.
Dark Blue.
La Superbe, sky-blue and white.
Gravelotte, deepest blood-red.
Light Blue.
Brilliant Scarlet, the most striking deep red color.

Each of the above, per ¼ oz., 40c: per oz., $1.30; per trade packet, 25c.
Five trade packets of any of the above, $1.00
Many colors in splendid mixture, trade pkt., 25c; ¼ oz., 35c; oz., $1.00.

Branching, or Semple Aster.

The best late cut-flower sort.

White Branching—¼ oz., 25c; oz., $1.00; trade packet, 10c.
Purple Branching.—¼ oz., 25c; oz., $1.00; trade packet, 10c.
Red Branching—Oz., $1.25; ¼ oz., 35c; trade packet, 15c.
Pink Branching.—¼ oz., 25c; oz., $1.00; trade packet, 10c.
Lavender Branching.—¼ oz., 25c; oz., $1.00; trade packet, 10c.
One trade packet of each of the above 5 colors for 40c.
Branching Aster.—Mixed, oz., 85c; ¼ oz., 25c; trade packet, 10c.

Vaughan's Florists' Mixture of Asters.

This is a mixture of all the best varieties of Asters suitable for cut flowers, consisting principally of white, pink, and the brightest of red, with a small proportion of blue and purple and some intermediate shades. This mixture, being made up by ourselves, we know it to contain only the most salable colors for cut-flower use, and offer it as a good substitute for the higher priced separate colors. Per ¼ oz., 60c; oz., $2.00; trade packet, 25c.

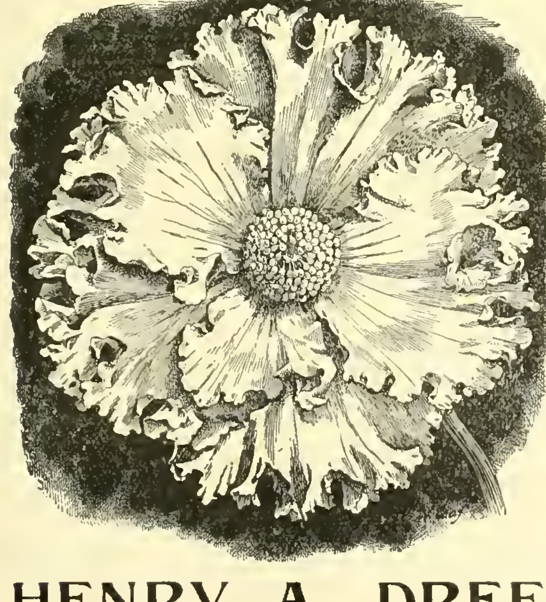
White Asters in Mixture—This mixture is made up by ourselves of all the white flowering Asters suitable for cut flowers, includes Giant Comet, Victoria, Truffaut, Snowball, Mignon, Boston Florists', Vaughan's New Upright White Branching and others. Trade packet, 25c. ⅛ oz., 35c; ¼ oz., 60c; oz., $2.00.

NEW YORK, 14 Barclay Street. **Vaughan's Seed Store** CHICAGO, 84-86 Randolph St.

Please mention American Florist when writing.

DREER'S SPECIAL OFFER

OF SEASONABLE BULBS.



Tuberous Rooted Begonias. The finest strains obtainable.

	per doz.	per 100	per 1000
Singles in separate colors	40c	$2.50	$20.00
" " choice mixture	35c	2.00	18.00
Double in separate colors	65c	5.00	40.00
" " choice mixture	50c	4.00	35.00

New Frilled Begonia. A grand novelty with wavy petals which are beautifully frilled like the finer forms of petunias. We offer strong bulbs, 25c each; $2.50 per dozen; $20.00 per 100.

New Sun-Proof Begonia, Duke Zeppelin. The most brilliant of all the tuberous rooted varieties, flowers double, of the most dazzling pure scarlet, strong bulbs, 20c each; $2.00 per dozen; $15.00 per 100.

Caladiums, Fancy Leaved. A choice assortment of 25 distinct varieties, strong bulbs, $2.00 per dozen; $15.00 per 100.

Caladium Argyrites. A fine lot of this most desirable and scarce miniature variety, which if started at once will make fine plants to use at Easter, good bulbs, $2.00 per dozen; $15.00 per 100.

Cosmia Aurea Imperialis. A summer flowering bulb of recent introduction, orange colored, star shaped flowers 3 inches across, 30c each; $3.00 per dozen.

Gloxinias in separate colors or in choicest mixture, fine sound bulbs, 50c per dozen; $4.00 per 100; $30.00 per 1000.

Dahlias. Our collections embrace the best now grown; we offer:

	per set.	per 100
1 set of Twelve Double Show Dahlias	$1.00	$8.00
" " " Fancy	1.00	8.00
" Six Superb Quilled	.50	8.00
" Twenty-five Choice Cactus	2.00	8.00
" Ten Superb Single	.85	8.00

Dahlia, Storm King or Blizzard, 25c each; $2.50 per dozen; $20.00 per 100.
Montbrelias. Seven finest varieties, 25c per dozen; $1.75 per 100; $15.00 per 1000.
Tigridia Conchiflora, Grandiflora Alba and Pavonia Grandiflora, 30c per dozen; $2.00 per 100.
Caladium Esculentum, Gladiolus, Etc., Etc.

HENRY A. DREER, Philadelphia, Pa.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PARRY'S Pomona Nurseries, of Parry, N. J., have contracted for the growing of considerable numbers of Keifer pear trees at Orlando, Fla.

THE Forest and Water Association of California has planted 60,000 tree seeds this season. They were mostly Pinus ponderosa but 1,000 seeds of Sequoia gigantea were planted.

M. MCDONALD, president of the Oregon Wholesale Nursery Co., reports that trade in Montana is heavier than ever. Fruit raising has become a leading industry there and his company has booked one order for 15,000 trees and another for 10,000.

THE Ellwanger & Barry Nursery Company has been incorporated with a capital stock of $200,000 and the Ellwanger & Barry Realty Company has been incorporated for $500,000. The directors of the companies are identical. They are George Ellwanger, William C. Barry, George H. Ellwanger, Charles P. Barry and William D. Ellwanger, of Rochester, and John H. Barry, of New York city.

ROCHESTER, N Y.—The season starts out as an exceedingly busy one for the nurserymen here. Ellwanger & Barry have already shipped ten carloads of trees, shrubs, etc., to the Pan-American Exposition at Buffalo. The same firm has just been awarded a contract for furnishing several thousand dollars' worth of nursery stock for a fine estate on the Hudson river, the order including over 30,000 trees, shrubs and plants.

Milwaukee.

KLOKNER NOT YET SUPERINTENDENT OF PARKS.—THE APPOINTMENT HELD UP.—A NEW FIRM OF RETAILERS.

It was generally understood that the Park Commission would appoint a superintendent at a meeting February 20 but several meetings passed without an appointment being made. The daily papers announced last week that Alexander Klokner would be appointed at the next meeting and illustrated sketches were published. However the appointment was not made and the Board has given out that the appointment has been tabled for one month. The indications are that they fail to agree and the April election may change the make-up of the Board.

H. P. Mole & Co, 613 Grand avenue, is the name and address of an establishment recently opened for business. The company is supposed to be William Whitnall. C. B. W.

Lynn and Thereabout.

With Easter but a few weeks distant most of the growers find themselves with about all they want to attend to. I am of the impression that a good lot of material will be in fine shape at the right time. However, carnations may be a little off. Violets will be plentiful and roses, I think, will be in fair quantities. Most of the Harrisii and longiflorum lilies hereabout are looking very good. Of plants for spring bedding, a scarcity of geraniums is very evident. This is due to the early frost, mention of which I made last fall. I have it on very good authority that one of our largest growers is seeking a suitable location on which to erect an extensive range of glass, his present quarters having become too cramped.

Wm. Miller and daughter are spending and extended vacation in Florida, making a side trip to Cuba, visiting Havana, Matanzas and other points of interest. Mr. Miller is very enthusiastic over the island.

Wm. Walke, of Salem, Mass., has a fine house of Bride and Bridesmaid roses that promise a good crop at Easter time. He is also showing a fine lot of Harrisii, azaleas and spiræas.

Gibbs Bros. have their houses in fine shape and are looking for a good trade at their down-town store.

W. F. Newhall is cutting a fine lot of violets as well as carnations. The call in most cases this winter has exceeded the cut.

H. G. Wyman & Son are in good shape and have no complaints to make regarding trade thus far.

E. G. Blaney is showing a fine lot of Harrisii lilies and other bulbous stock for Easter and also expects a fair crop of carnations, especially Daybreak.

W. F. Abrams, of Haverhill, Mass., will build this coming season two houses 11x100. He is a recent addition to the Haverhill craft but seems to be getting there all right. TAP.

SCRANTON, PA.—Hillside Home, for the poor, is to have a new iron frame greenhouse, the contract for which has been awarded to Hitchings & Co, whose bid was $3,975.

MIDDLETOWN, N. Y.—William Gray, who has been superintendent of the grounds at the state hospital for many years, has resigned his position and will devote his entire time hereafter to his florist business at Webb's Crossing.

50,000 **MANETTI.** 50,000

I have some very fine Irish and English Manetti Stocks on hand for inside grafting and can make immediate delivery.

$12.00 PER 1000.
Price for quantity on application.

HARRY A. BUNYARD,
42 West 28th Street, NEW YORK.

Clematis Paniculata AND Ampelopsis Veitchii

	100	1000
Clematis Paniculata, field grown		
No. 1	$ 8 00	$70.00
No. 2	6.00	50.00
X size	10.00	80.00
Hydrangea P. G. 1 year		18.00
" " 2 to 3 feet	9.00	
" " 3 to 4 feet	12.00	
Virginia Creeper		45 00
Eulalia Graci.lima, strong		15.00

	100	1000
Ampelopsis Veitchii, field grown.		
No. 1	$6.00	$50.00
No. 2	5.00	45 00
No 3	4.00	35.00
X size	8.00	75.00
XX size	9.00	85.00
ROSES—Felicite Perpe'u	5 00	
F a.cois Levet	6.00	
Box Tree, 6 to 12 inches		20.00

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

OAKS 10,000 Pin, Scarlet, Red, White. Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycemore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Rhododendron Maximum

Kalmia Latifolia.

In all sizes and any quantity. Special rates on car-load lots. A special opportunity. Write for prices.

J. WOODWARD MANNING,
1150 Tremont Building,
BOSTON, MASS.
Quotations on all other Nursery stock.

FRUIT and ORNAMENTAL **TREES**
SHRUBS
VINES
AND ROSES

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y

NEW SHELLBARK--HICKORY NUT,
"Hornor's Special."
RARE EVERGREEN TREES
200 000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.
CHAS. B HORNOR & SON, Mt. Holly, N. J.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

SPECIALTIES FOR EASTER

..Place Your Orders Now..

We have to offer for Easter a fine assortment of Fancy Baskets, Pot Covers, Crepe Papers, Plant Stands, Jardinieres, Satin Ribbons, Folding Boxes, Bouquet-Pins, Cycas Leaves, Artificial Palms and Flowers, and everything desirable for Easter Trade.

Cut Flowers.

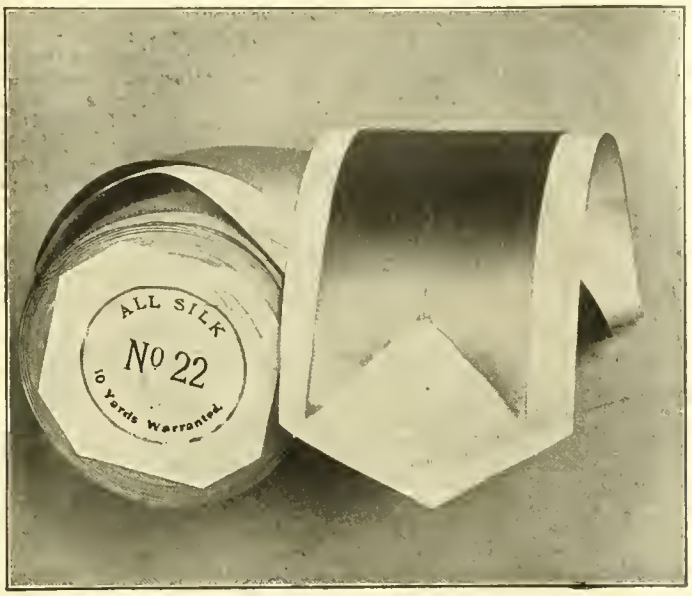
Our prices are as low as any dealer or grower.

Place your orders now on the following:

FANCY AM. BEAUTIES, MAIDS, BRIDES, METEORS, ORCHIDS, SELECT CARNATIONS, HARRISII LILIES, LONGIFLORUM LILIES, CALLA LILIES, VIOLETS, MIGNONETTE, VALLEY, TULIPS, DAFFODILS, HYACINTHS, ROMANS, FREESIA, ETC., ETC.

If you want the best stock, and at lowest prices market conditions will allow, send your orders to us.

FLORISTS' RIBBONS.



Blooming Plants.

We have a fine lot of the following plants to offer:

	Per Doz.
Easter Lilies,	
Select plants.....	$7 to $8
Average plants.....	4 to 6
Calla Lilies,	
Select plants.....	4 to 5
Average plants.....	3 to 4
Spiræa plants.....	3 to 5
Azalea plants.....	12 to 18
Beauty Rose plants..	4 to 5
Hybrid " ..	4 to 5
Rambler " ..	6 to 9
Hermosa " ..	3 to 4

We also have an immense stock of pot Tulips, Hyacinths, Narcissi, etc., etc.

All Plants Shipped via Express.

Cash with order to insure lowest prices.

WE have just received a very large importation of the finest grade Satin Ribbons; and offer a superior quality, all colors, for Easter, at the following low prices. Compare these prices with what you pay for cheap ribbons, and then bear in mind that we give you the best quality at these prices. This is a snap.

We have the following popular colors: White, cream, mais-yellow, regent-orange, lilac, heliotrope, pink all shades, nile-green, royal purple, violet, ruby—Am. Beauty, cardinal—Meteor, cerisette, remi, scarlet, black, in fact any shade you might need. Order your supply quick to insure filling from this stock. Per bolt, any colors, No. 5, 55c; No. 7, 75c; No. 9, $1.00; No. 12, $1.25; No. 16, $1.35; No. 22, $1.60; No. 30, $1.85; No. 40, $2.10; No. 60, $2.50; No. 80, $3.00.

For Everything You Need, Send Your Orders to

McKELLAR & WINTERSON,

45-47-49 Wabash Ave., CHICAGO.

IF YOU DO NOT RECEIVE OUR CATALOGUE AND PRICE LISTS, WRITE US.

Do not hide your light under a bushel. Tell the people what you have for sale.

DORMANT ROSES

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes	Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes,	100, 20.00
2 year old Budded stock, 3 ft. canes	Doz., $2.00 100, $15.00
Kaiserin A. Victoria, 2 year budded....100, $15.00	Hermosa, extra strong Holland grown
Mad. Caroline Testout, 2 year budded... " 15.00	2 year Own roots.....100, $13.00

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jacq.	John Hopper.	Baron Bonstetten.	Paul Neyron.
Coquette des Alpes.	Mad. G. Luizet.	Anne de Diesbach.	Magna Charta.
Ulrich Brunner	Prince C. de Rohan.		

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild.	Mad. G. Luizet.	Malmaison.	La France.
Gloire Lyonnaise.	Mrs. John Laing.	Fisher Holmes.	Coquette des Alpes.
Marie Baumann	Prince C. de Rohan.	John Hopper.	Giant of Battles.
Paul Neyron.	Capt. Christy.	Mad. Chas. Wood.	Gen. Washington.
Boule de Neige.	Anne de Diesbach	Perle des Blanches.	Mabel Morrison.
Baron Bonstetten.	Magna Charta	Gen. Jacq.	Marshall P. Wilder.
Ulrich Brunner.			

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

CHOICE GALAX, Green and Bronze, 50 cents per 1000. CHOICE LEUCOTHOE, Bronze and Green, $1.75 per 1000. Orders from cold storage. Cash with order or satisfactory references.
W. H. Williams Bro., Victoria, Macon Co., N. C.

PETUNIAS, DOUBLE FRINGED
A good collection of money-makers. Strong plants from 2-in. pots, $2.00 per 100.
E. I. RAWLINGS, Quakertown, Pa.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Denver.

The following scores were made by the bowling club on the evening of March 13:

Player	1st	2d	3d	Av
A. E. Mauff			225	225
John Berry	179	186	147	171
Geo. Brenkert	133	224	152	170
Chas. Mauff		163	176	169
Chas. Franz	187	168	132	162
Michael Bloy	158	145	159	154
Ed Emerick	111	126	170	136
Geo. Zimmer	110	163	132	135
J. A. Valentine	110	98	97	102

J. B.

At Chicago.

On Tuesday evening, March 20, a trio of Chicagoans had as a guest on the alleys, Phil Scott of Buffalo and Denver. Following are the scores:

Player	1st	2d	3d	Av
Asmus	215	172	161	179
Scott	169	182	176	176
Winterson	151	183	151	162
Degnan	153	122	148	141
Thurston	126	154	128	136
Van Feylingen	94	86	101	94

The bowling club goes to Joliet tonight, not to the "pen" but to bowl with the gentlemen of the craft there. The party may include ten or more.

At St. Louis.

The St. Louis Florists' Bowling Club rolled five games on March 19. The following is the score:

Player	1st	2d	3d	4th	5th	Av
Kuehn	119	147	133	137	127	133
Beneke	108	139	113	172	130	132
Kunz	130	133	108	160	131	132
Weber		131	136	131	130	132
Young		107	195	103	104	127
Fillmore	110	65	76	147	96	93

The Junior Florists' Bowling Club met on March 20 and made the following score:

Player	1st	2d	3d	Av
A. Y. Ellison		157	151	154
Jas. Arado	151	136	123	137
A. Meyer, Jr	146	136	126	136
W. Adles	125	131	123	126
F. Weber	131	143	97	124
W. F. Holtz	112	115	136	121
H. Bitteken	88	150	124	121
George Angermueller	105	100	103	103
Frank Ellis	74	87	99	87

J. M. H.

Washington.

TRADE QUIET.—THE WORST STORM OF THE SEASON.—GOOD STOCK FOR EASTER.

The trade is quiet and stock excellent and plentiful. On March 15 we had the worst storm of the winter. The snow and sleet came down so fast and it was so cold that it formed solid sheets of ice and greenhouses fared very badly in the way of broken glass. It is an ill wind that blows no one good and in this case the cold weather has kept back some things that would have come in bloom too soon for Easter. Some growers thought their Lilium Harrisii would all be in bloom long before Easter.

J. R. Freeman has quite a number of cyclamens which will be in good shape for Easter, also some fine Crimson Rambler roses.

John H. Ley has a number of fine Crimson and Yellow Ramblers and genistas. His Pteris Deweyana and Nephrolepis Washingtoniensis are in fine condition.

P. G.

Denver.

GERAGHTY TO GO TO SOUTH AFRICA.—PLANS COMMERCIAL CONQUEST.—GRIMSHAW RETURNS TO NEW YORK.

George M. Geraghty, well and favorably known as manager of the floral department of Daniels & Fisher and under the old regime as assistant manager for the firm, has severed his connection with the firm and has left Denver. He has decided to go to South Africa. His plan is to represent several American commercial houses.

We also have to report the departure for New York of Robert E. Grimshaw, formerly of the Park Floral Company's store. Mr Grimshaw earned the reputation, while here, of being the best decorator in town.

DENVER.

Buffalo.

BUSINESS CONTINUES QUIET. — SEVERE WEATHER CONDITIONS.—FAREWELL TO PHIL SCOTT.—NOTES AND VISITORS.

Trade is about the same as last week; "quiet" is the word. Supply is fairly good but the rapid changes in the weather have made flowers more scarce than they should be. From severe snow storms and zero weather down to a thaw in less than twelve hours makes it hard on every one.

On Thursday, March 15, a little informal party was given by Mr. and Mrs. Scott for their son, Philip, previous to his departure for Denver. It was a very enjoyable evening, with songs, violin, piano and flute selections, together with a slight-of-hand performance by another gentleman. After supper a few remarks were made by Wm. Scott, G. Foggs and Chas. Spitzer, while Messrs. Kasting and Adams spoke for the trade, expressing the general regret at Mr. Scott's departure. That young gentleman responded fittingly, assuming his usual Dan Daly attitude, and thanked all for their good wishes

Recent visitors: C. S. Van Waveren, of Segers Brothers; J. Austin Shaw and S. B. Smiley.

W. J. Palmer, Sr., Wm. Scott and B. S. Meyers were Buffalo's representatives at the recent Toronto carnation show.

W. A.

MONROE, MICH —Mrs. F. S. Sterling is receiving weekly shipments of cut carnations from Saginaw, via Detroit. She is also interested in the Lake View Hotel, a fine summer resort near here.

LAFAYETTE, IND — Herman Roth is planning to erect a handsome residence and to add to his glass to the extent of three new houses, the order for which has been given to a Chicago firm.

GIVE US YOUR ORDER ON

Valley, Roses, Violets,

CARNATIONS, FANCY AMERICAN BEAUTIES, SMILAX, ASPARAGUS, NOVELTY PINK TULIPS, or ANYTHING ELSE IN THE FLOWER LINE.

HOLTON & HUNKEL CO., Milwaukee, Wis.

Please mention the American Florist when writing.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

American Beauty, long	per doz.	$4.00 to $5.00
" " medium	"	2.00 to 3.00
" " short	"	1.00 to 1.50
		Per 100
Bride, Maid, Meteor		$ 5.00 to $ 8.00
Perles		2.00 to 4.00
Carnations, fancy		3.00 to 4.00
" common		1.50 to 2.50
Callas and Harrisii		10.00 to 15.00
Tulips		2.00 to 3.00
Daffodils		2.00 to 3.00
Violets		.25 to .75
Smilax		10.00 to 15.00
Adiantum		1.00

CARNATION CUTTINGS.

	Per 100	Per 1000
G. H. Crane	$6 00	$50.00
Mrs. Geo. M. Bradt	5 00	40.00
White Cloud	4.00	30.00
Maceo	6 00	50.00
Gomez	5.00	40.00
Glacier	6.00	50.00
America	5.00	40 00
Gold Nugget	4 00	30.00
Mary Wood	3.00	25.00
Melba	5.00	40.00
New York	3.00	25.00
Mrs. James Deau	3 00	25.00
Mrs. Frances Joost	3.00	25.00
John Young	2.50	20.00
Cerise Queen	2 50	20.00
Jubilee	2 00	15.00
Flora Hill	2.00	15.00
Mayor Pingree	2.50	20.00
Triumph	2.50	20.00
Daybreak	2 00	15.00
Evelina	2.00	15.00
Wm. Scott	2.00	15 00
Albertini	2.50	20.00
Meteor	2.00	15.00
Argyle	2.00	15.00

Best Stock Always Shipped Unless Otherwise Ordered.

KENNICOTT BROS. CO., 42-44 East Randolph St., CHICAGO.

Forcing Bulbs

FOR SEASON OF 1900.

ARE YOU A BULB BUYER?

No doubt you will soon be approached by Hollanders, Britons, Frenchmen and men of other nations, all of whom will be anxious to supply you with bulbs, and a great many of whom will promise you "anything under the sun" in order to clinch your order.

We are also in the bulb business, and while we are not making any rash promises, we believe we can prove to you that it will be to your advantage to place your order with us.

We shall be glad to name our prices on receipt of a list of your probable wants.

LATANIA BORBONICA SEED just received, per lb. 60c.; 10 lbs. $5.00; 100 lbs. $45.00.
(One pound contains about 250 seeds.)

OUR Specialties
HIGH GRADE Forcing Bulbs, Azaleas, Etc., Etc.

CHICAGO: 84-86 Randolph St. **VAUGHAN'S SEED STORE,** New York: 14 Barclay St.

ROSES

GRAFTED, WINTER BLOOMING.
Brides, Bridesmaid, Golden Gate.

GRAFTED, SUMMER BLOOMING.
Pink Soupert. Clothilde Soupert, Kaiserin Augusta Victoria, President Carnot.

OWN ROOTS.
Maman Cochet, white and pink, 2½-in. pots. Prices on any quantity.

H. P., low budded, in variety.....$10.00 per 100
Clothilde Soupert, dormant..... 12.00 per 100

BOBBINK & ATKINS
RUTHERFORD, N. J.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Daybreak, shell pk.	1 00
Genevieve Lord, pink	10 00	Flora Hill, white	2.00
Olympia, variegated	12.00	White Cloud	3 50
G. H. Crane, scarlet	5.50	Mary Wood, fine white	3 00
America, scarlet	4 00		
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs G. Bradt, var.	5.00	Wm. Scott, pink	1 00
Glacier, white, fine	4.00	Lizzie McGowan	1 00

Gen. Maceo, best crimson.....$5 00 per 100
Mrs. Jas. Dean, fine pink..... 3 00 per 100
Nephrolepis Cordata Compacta, 2½ inch, $4.00 per 100, 8 and 10 inch, fine, $12 00 per doz.

Cash please. CARL HAGENBURGER, West Mentor, O.

ROOTED CUTTINGS

Verbenas, 40 named varieties, 60c per 100, $5 00 per 1000. Petunias, 30 named dbl. var., $1 25 per 100. Heliotrope, 15 named varieties $1.00 per 100. Coleus, 30 named varieties, 70c per 100, $6 00 per 1000. Ageratums, 3 var. with P. Pauline, 70c per 100. Alyssum, dbl., $1 per 100. Lantanas, 4 var., $1 25 per 100. Salvias, 3 var., $1 per 100. Begonias, from 2½-in. pots, $2 50 per 100, named vars. Chrysanthemums, R. C., $1 25 per 100, all named. Express prepaid on rooted cuttings.
CASH WITH ORDERS.
S. D. BRANT, Clay Center, Kansas.

CARNATION CUTTINGS.

We have all the new and standard varieties.
Write for prices. WEILAND-RISCH FLORAL CO., Evanston, Ill.

MONEY MAKER.

Silene nana compacta fl. pl. sells at sight: a very beautiful plant for pots, bedding, borders, etc. It grows only 6 to 8 inches high, forms a compact globe-shaped plant and is covered over and over with hundreds of nice double flowers. It is a very profitable plant for every florist. Try them. We have two kinds:
1. "Verschaffeltii", dark red foliage and scarlet flowers.
2. "Delicata", green foliage and pink flowers.
Very strong plants ready for 4-inch pots, $2.50 per 100; $10.00 per 500.
Pansy Myosotis. Bellis per fl. pl., cold frame size, $3 00 per 1000. **Cannas.** Mme. Crozy, P. Marquant. **Stocks.** Ten Weeks, white, $1.50 per 100.
Shellroad Greenhouse Co., Grange P. O., Balto., Md.

PRIMULAS AND VINCAS, ETC. Per 100

4-inch pot Vinca Vines	$6.00
3-inch pot Vinca Vines	4.00
2-inch pot Vinca Vines	2.50
Rooted Cuttings Vinca Vines, from flats	1.50
2-in. pot Primrose, in bud and bloom, ready to repot	2.00
2-in. pot Smilax	2.00

Cash With Order or C. O. D.
WM. A CLARK & SON, 59 State St., Watertown, N. Y.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.
WOOD BROTHERS, FISHKILL, N. Y.

SPECIAL SALE

—OF—

Fancy Spray Ferns

80c PER 1000.
Good Stock.

H. M. ROBINSON & CO.
32-34-36 Court Square,
BOSTON, MASS.

Own Roots

WOOD FROM GRAFTED STOCK ONLY.

BRIDE, BRIDESMAID, KAISERIN, METEOR, BON SILENE, AM. BEAUTY, CARNOT—2¼-in. pots, $3 50 per 100, $30.00 per 1000; 3-in., $6.00 per 100, $50 00 per 1000.

GOLDEN GATE, AM. BEAUTY—2¼-in. pots, $4 00 per 100; 3-in., $7 00 per 100.

S. J. REUTER, Westerly, R. I.

PLEASE MENTION US TO OUR ADVERTISERS.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2 00	15.00
Mrs. McBurney	1.50	12.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Bon Ton	2.00	15.00

Crimson.		
Evanston	2.00	15.00

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00

Yellow.		
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.		
Argyle	$1.50	$12.00

ROSES, from 2½-in. pots. 100 1000
Beauties $6.00 $50.00
Brides 4.00 35.00
Maids $4.00 $35.00
Perles 4.00 35.00

Guaranteed strictly first-class stock and free from disease. Cash discount on 1000 lots. 500 at 1000 rates; 50 at 100 rates.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

CARNATIONS.

Strong, Well-Rooted Cuttings.

SELECT STOCK.

	Per 100	Per 1000
G. H. Crane	$6.00	$50.00
Morning Glory	6.00	50.00
Gen. Maceo	6.00	50 00
Glacier	6 00	50 00
America	5 00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40.00
White Cloud	4 00	30.00
Mary Wood	3 00	25.00
Mrs. F. Joost	3 00	25.00

And other standard sorts.

FIVE 1900 NOVELTIES.

	Per 100	Per 1000
Mrs. Thos. Lawson	$14.00	$120 00
Ethel Crocker	10.00	75.00
Marquis	10.00	75.00
Olympia	12 00	100.00
Genevieve Lord	10.00	75.00

Send for Descriptive Price List.

F. Dorner & Sons Co.,

LAFAYETTE, IND.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McGowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

THE BEST CARNATIONS.

	Per 100	Per 1000
White Cloud, the best white	$3.00	$25.00
Mrs. Joost, best clear pink	3.00	25.00
G. H. Crane, best new scarlet	6.00	50.00
Gen'l Maceo, best dark crimson	6.00	50.00
Mrs. Bradt, best variegated	4 00	35.00

12 Novelties of 1900. 27 the best Standard varieties. Send for complete list.

GEO. HANCOCK & SON, Grand Haven, Mich.

10,000 STRONG ROOTED Carnation Cuttings

FRANCES JOOST	$2.00 per 100
GOLD NUGGET	2.00 per 100
MRS. GEO. BRADT	4.50 per 100
EVELINA	2.00 per 100
FLORA HILL	2.00 per 100
DAYBREAK	1.50 per 100

JOS. LABO, JOLIET, ILL.

CARNATIONS ROOTED CUTTINGS.

Crane $6 per 100, America $5 per 100, White Cloud $4 per 100, Jubilee $2 per 100, Scott, Daybreak, Victor, Flora Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

ROSES, 2-in. Pots, Select Stock.

Perle 4c, Brides and Bridesmaids 3c. Send for list of other varieties.

WM. MURPHY, Station F, Cincinnati, O.

PERU

A New
Pure Glistening White

CARNATION

Well Tested,
Has Proved a Great
Success
Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

BEGONIA CALEDONIA

The White Lorraine

We are now booking orders for fall delivery.

Plants from 3½-in. pots,

$5.00 EACH.

R. & J. FARQUHAR & Co.

16 and 19 S. Market St.
BOSTON, MASS.

Ethel Crocker

Absolutely the finest pink carnation ever offered the trade. It has been in full bloom since Sept. 15th without any stop. It is in full bloom today and as full of buds as many varieties that do not bloom until about this time.

It is a good, strong grower, and plants procured any time in April will give you good results next winter.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

A good adv. in a good paper will bring good returns.

CARNATION CUTTINGS

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	3.00	25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
WHITE CLOUD	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINIA	1.00	7.50
SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
METEOR	$1.50	$12.50
BRIDESMAID	1.50	12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS.

FROM 2½-IN. POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
BRIDESMAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All Plants and Cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG,
51 WABASH AVE., CHICAGO.

FOR CASH WITH ORDER ONLY

I offer the following Carnations, strong transplanted stock.

4000 Triumph at $2.00 per 100, $18.00 per 1000

1500 Wm. Scott at $1.25 per 100, $10.00 per 1000.

500 Lily Dean at $2.00 per 100

GEO. W. BINSTEAD,
Summit, N. J.

MARY A. BAKER AND ANNA C. EASTBURN,

Two best white Carnations I have ever grown. Sandusky, Duke of York and Melba, $5.00 per 100, $40.00 per 1000. Empress and Wellesley, $2.50 per 100, $20.00 per 1000. Flora Hill and Mayor Pingree, $3.00 per 100, $15.00 per 1000. Scott, McGowan, Cartledge Portia, Eldorado and Tidal Wave, $1.50 per 100, $12.00 per 1000. Also Giant Double Alyssum and Double Rudbeckia.

Send for Descriptive Price List.

LOUIS B. EASTBURN, Kennett Square, Pa.

Carnation Cuttings!

WRITE FOR SPECIAL DISCOUNTS AND LET US FIGURE ON YOUR WANTS.

	Cuttings. Per Doz.	Per 100	Per 1000.
Genevieve Lord, the peer of any light pink carnation offered	$2.00	$10 00	$75.00
Chicago, scarlet Bradt, from sand or soil	1.50	7.50	60.00
Mrs. Lawson, cerise pink	3.00	14.00	120.00
Olympia, variegated, extra strong, from soil	2.00	12 00	100.00
Ethel Crocker, pink, from soil	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Estelle		10 00	75.00

	Cuttings. Per 10	Per 1000
Frances Joost pink, fm. sd. or soil	$2.50	$20.00
Mrs. Jas. Dean, pink, " "	2.50	20.00
John Young, white " "	2.50	20.00
White Cloud, white " "	4.00	30.00
Mrs. Bradt, variegated " "	5.00	40.00
Gen. Maceo, crimson " "	6 00	50.00
Gen. Gomez, crimson " "	6.00	50.00
G. H. Crane, scarlet	6.00	50.00

	Cuttings. Per 100	Per 1000
Gold Nugget, yellow, fm. sd. or soil	$2.50	$20.00
Argyle, carmine " "	2.50	20.00
Jubilee, scarlet	2.00	15.00
Armazindy, variegated	2.00	15.00
Evelina, white	2.00	15.00
Wm. Scott, pink	2.00	15.00
Daybreak, light pink	2.00	15.00
Flora Hill, white	2.00	15.00

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.50	$20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	.75	5.00
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

LA FRANCE, BRIDESMAID, BRIDE, PERLE — 2½-inch plants from pots. Per 100, $3.50; per 1000, $30.00.

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

☞Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO VAUGHAN'S SEED STORE NEW YORK

ROOTED CUTTINGS OF NEW AND STANDARD

CARNATIONS

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Pa.

Please mention the American Florist when writing.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Chestnut Hill, Pa.

The monthly meeting of the Chestnut Hill Horticultural Society was held on March 13, with double the attendance of the previous meeting. The exhibits far exceeded the expectation of the committee.

The schedule committee reported the schedule for the fall show, of which printed copies are ready for distribution. The premiums offered are as follows: For chrysanthemum plants $89; chrysanthemum blooms $57; rose blooms $17; carnation blooms $18; violet blooms $3; miscellaneous plants and blooms $42; amateur class $9.50; vegetables, society's premiums, $23; vegetables, etc., seedsmen's premiums, $138, making the total, less duplicates, $377.50.

An interesting paper on mushroom growing was presented by Paul Reinhardt and will be discussed next meeting through the question box. Seven gentlemen were proposed for membership and premiums were awarded to Chas. F. Kreuger for vase of American Beauties, to Wm. G. Santman for vase of Bridesmaid, to John McGowen, gardener to Wm. Bayard, for specimen cinerarias; to John McCleary, gardener to Wm. Weightman, for violets; to Wm. Boyle, gardener to Randal Morgan, for plate of mushrooms; to Geo. W. Brown, gardener to R. N. Carson, for specimen Bougainvillea glabra Sanderiana, to Harry Harris, gardener to Mrs. Fell, for squash.

A specimen orchid exhibited by John McCleary and a collection of antirrhinums and specimen Phains grandiflorus exhibited by Frank Gould, gardener to John T. Morris, were highly commended. Special mention was made of a vase of American Beauty roses and plant of Cineraria Sutton's stellata exhibited by John McCleary, cinerarias exhibited by G. W. Brown, vase of roses by Wm. Wilkie, gardener to R. S. Mason; Begonia Gloire de Lorraine by H. Reuter, gardener to C. W. Henry; eupatorium by F. Smith, gardener to Miss Nixon; violets by Richard Moore, gardener to Jas. Cheston; a very fine Cypripedium Lawrenceanum by M. Punch, gardener to R. LeBoutillier; mushrooms by Paul Reinhardt, gardener to H. T. Mason; collection of roses by Robt. C. Carey, gardener to E. T. Price; Brussels sprouts by Frank Gould. The most gratifying part of the exhibition was that almost every exhibitor showed in three or more classes.

ROBT. G. CAREY, Sec'y.

MARLBORO, MASS.—Local trade has been excellent here throughout the winter and the outlook for spring business is fine. F. A. Howe has had remarkable success with carnations White Cloud and Daybreak. They go to Welch Bros. in Boston, who pronounce them equal to the best they have ever handled.

Ampelopsis Veitchii, 2 yr. strong.....Per 100 $ 7.00
Clematis Jackmanni, 2 yr. extra strong, " 14.00
Standard Hydrangea P. G., 3—3½ ft.... " 18.00
" Lilacs, assorted, 3—4 ft..... " 10.00
" Japan Snowball, 3½—4 ft.... " 18.00

These prices are good only until surplus is reduced. SEND FOR LIST OF OTHER STOCK—Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

PANSIES!

Giant mixed or in colors, Bugnot, Cassier, Odier and Trimardeau, extra fine, stocky plants, 50c per 100, $2 50 per 1000, $10 00 per 5000. Extra large plants in bud and bloom, $1.00 per 100, $8 00 per 1000 **AZALEAS!** nice plants to grow on, 4-in. pots, in var., $18 per 100, $2 25 per doz; 3-in., $8 00 per 100. Cash with order.

HENRY ERNST & SON, Washington, Mo.

THE IDEAL PINK CARNATION Genevieve Lord

Fills the bill. The ladies declare it is just right in color. We claim it has the best stem of any Carnation. That it will rank very near the top in size. That its odor is very sweet. That it is the most profitable Carnation we ever grew. That it has an individuality all its own. Customers recognize it at a glance. There is not a great deal left that is wanting in this variety. If you want to make money, plant it. But don't delay, for stock for delivery prior to March 20 is all sold. It is an easy, rapid grower, however, and the April and May deliveries will make large, fine plants. Some of the finest plants we have are from cuttings from sand planted in the field June 1st. Remember all sold until March 20th. If you wait too long the chances are that we will be sold out of stock. Make yourself safe by ordering at once.

PRICE
$2.00 per Dozen,
$10.00 per 100,
$75.00 per 1000.

H. WEBER & SONS,
OAKLAND, MD.

Our catalogue is now ready; in it are listed the above as well as all the new "big ones" at introducers' prices, all the best standard sorts, and a complete list of chrysanthemums, novelties and standard sorts.

New Ever-Blooming Geranium
AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gloire de Lorraine.

Floriferousness Phenomenal
Stroug plants, 50c each; $5.00 per doz.

MARS 2¼-inch pots, $5.00 per hundred.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden, Southey, etc., for $2.00. One America free with each set. Plants guaranteed A1 in every respect. CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa.

FORGET-ME-NOT, winter blooming, from flats, $1.50; 2¼-in. $2.00; 2½-in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100. Per 100
PARIS DAISY, white, R. C. $1.00; flats.....$1.50
DOUBLE ALYSSUM R. C. $1.00; flats..... 1.50
VARIEGATED VINCAS, from flats..... 1.50

All plants in flats strong and well established, ready for 2½ or 3-inch pots. Cash with order, please.

CHARLES S. DUTTON,
85 West 12th Street, HOLLAND, MICH.

PANSIES ..THE.. JENNINGS STRAIN

FINE PLANTS. Many are curled and fringed, 60c per 100 by mail; $3.50 per 1000 by express. Large plants in bloom, ready April 1, $1 50 per 100. Seeds, $1.00 per package. Sample blooms sent to those wanting plants. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
GROWER OF THE FINEST PANSIES

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

Asparagus Sprengerii.

Extra fine Stock from 3-in. pots, ready for a shift. $8.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Edward B. Jackson,
WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

HOME GROWN PALMS

		Pots			Per doz.	Per 100
Kentia Belmoreana		3-in.			$3.00	$23.00
" "		4-in.			5.00	40.00
	Size Pots.	Char. Leaves.		High.		
" "	5,	5-7		18-24,	$9-$12	$70-$90
" "	6,	7-8		20-25,	18	144
" "	7,	7-8		36-40.	30-36	240-290
Kentia Forsteriana,	3-in.	$2.50 per doz.;			$20 per 100	
" "	4-in.	$5.00		"	$35	"
" "	5,	5-6		24-30,	$9-$12	$75-$95
" "	6,	7-8		25-30,	18	144
" "	7.	7 8		35-42,	28-30	225
" "	8-9	7 8	$3.00 to $4.00 each.			
Lalania Borbonica,	2½-in.				.60	5.00
" "	3-in.				1.25	10.00
" "	4-in.				3.00	23.00
" "	5,	5-8		15-20,	5.00	40.00
" "	6,	6-8		16-24,	8.50	65.00
" "	7,	6-8		18-24,	12.00	90.00
" "	8,	7-8		28-34,	22 00	175.00
" "	9,	7-9		28-36,	34 00	272.00

Ficus Elastica, 5-inch, doz. $5.00; 6-in. $8.00 doz. **Livistona Rotundifolia,** 7 in., 12-14 leaves, $2.50 to $3.00 each. **Pandanus Veitchii,** 4-in. to 14-in., 50c to $10 each. **Boston Ferns,** 5c to $2.00 each. **Cycas, Dracænas, Asparagus, etc.,** in large variety. We have over 150,000 Tropical Plants. Terms cash, but inspection allowed at express office.

ALBERT FUCHS,
2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

DAHLIAS

Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well tested ones good enough? I have both. My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Pæonies. Write for catalogue and price list.

W. W. WILMORE, Dahlia Specialist,
Box 382. Denver, Colo.

CANNAS

The 3 Best Solid Red Cannes.
BLACK PRINCE.....$10 00 per 100
PHILADELPHIA..... 4.00 per 100
DUKE OF MARLBORUGH. 4.00 per 100
BOSTON FERN, strong 2½-in. plants, $5.00 per 100.
The Conard & Jones Co., West Grove, Pa.

There are buyers for all kinds of stock advertised in the American Florist.

HEACOCK'S PALMS.

Choice ARECA LUTESCENS, KENTIA BELMOREANA and LATANIA BORBONICA.

All perfect and symmetrical plants, alike on all sides, with every leaf perfect from the pot up. Grown especially for the decorator. They are as good, if not better, than any I have offered before. Prices are as follows:

Areca Lutescens.

	Each.
9-inch pot, very bushy, 5 feet high	$ 5.00
12-inch pot, very bushy, 6 feet high	$10.00 to 15.00
14-inch pot, very bushy, 6 to 7 feet high	20.00
15-inch pot, very bushy, 7 to 8 feet high	25.00

Kentia Belmoreana.

	Per Doz.	Per 100
3-inch pots, 4 to 5 leaves, 10 to 12 in. high	$3.00	$25.00
4-inch pots, 5 to 6 leaves, 15 to 18 in. high	6.00	50.00
6-inch pots, 6 leaves, 20 to 24 in. high	18.00	150.00

Latania Borbonica.

	Each.
8-inch pot, 8 leaves, 24 in. high by 36 in. wide	$1.50
10-inch pots, 9 to 10 leaves, 30 to 36 in. high by 42 in. wide	4.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. **A TRIAL ORDER IS SOLICITED.**

JOSEPH HEACOCK, Wyncote, Pa.

THE AMERICAN FLORIST COMPANY'S

TRADE DIRECTORY

FOR 1900

IS NOW READY FOR DELIVERY.

The lists of FLORISTS, NURSERYMEN and SEEDSMEN of the United States and Canada, arranged both by States and Towns and alphabetically, are corrected up to date, and in addition there are the following valuable and absolutely

NEW FEATURES:

GARDENERS OR SUPERINTENDENTS OF PRIVATE ESTATES,
EXPERIMENT STATION HORTICULTURISTS,
HORTICULTURAL SUPPLY CONCERNS, & & LANDSCAPE ARCHITECTS.

This indispensable volume of 387 pages, strongly bound in boards, is delivered post paid upon receipt of $2.00.

AMERICAN FLORIST CO.,

324 Dearborn St. CHICAGO, ILL., U. S. A.

College Point Notes.

Rambler roses will undoubtedly take a leading position in the list of Easter flowering plants this year. Crimson Rambler will, of course, lead, but the white, yellow and pink sorts are likely to make a better impression than the experience of last season indicated, judging by their appearance at the present time as seen at Mr. Schultheis' place. They are well covered with buds and the foliage, while less massive and rich than that of the crimson favorite, is abundant and clean. Buds of the yellow flowering variety that are already opened are of good, distinct color, owing, Mr. Schultheis says, to the fact of their having been kept in a cool temperature and constantly well shaded. The number and size of the plants as well as the many forms in which they have been trained here are remarkable. There are standards, pyramids, fan-shaped and cross-shaped trellisses, etc., in great variety of form and size. One of the prettiest arrangements is where the plant is grown low and drooping, so as to hide the pot, the stronger canes being arched over it, giving the appearance of a high-handled basket.

Azaleas, metrosideroses, acacias, rhododendrons, lilacs, pelargoniums and moss and hybrid roses are seen in large quantities and ericas and lilies fill several big houses. Mr. Schultheis' experience has been similar to that of others, the Japan longiflorum lilies being generally satisfactory while of the Bermuda stock more than one-half had to be thrown away and not over twenty-five per cent can be called good. Ericas are a specialty. Notwithstanding the lateness of Easter there will be a big supply of the popular melanthera variety, the plants having been kept in cold frames all winter so as to retard their blooming. Persoluta alba, rosea and rubra are ready in quantities and the glorious pink translusœns, the difficult Cavendishiana and the pretty cupressiana, with its dainty globular flowers and soft green foliage, will all be available for the early buyers, but the quantity of these scarcer sorts is limited, and there are a few novelties which are simply being given a trial. The greatest difficulty with translusœns and cupressiana is their difficulty of propagation, the proportion of cuttings that root being very small.

Mr. Schultheis has some seedling carnations that were favorably mentioned in these columns last year and which, after another year's trial, fully bear out their promise. They are exceeding vigorous growers with strong stems and the flowers are up to the modern standard of size.

FORREST CITY, ARK.—Mrs. T. W. Barrow and Mrs. Margaret Hatcher have embarked in the florist business here.

Send Your Advertisement NOW

FOR THE

Special Spring Number of the American Florist

TO BE ISSUED MARCH 31.

ROSES FOR SUMMER PLANTING

Now is the time to secure A1 Stock to grow on for next season.

LIBERTY. The new crimson; stock limited. Own roots from 2½-in pots.....$25 00 per 100
Grafted Stock from 2½-in. pots ..... 40.00 per 100
LADY DOROTHEA, new buff color, } 2-inch..... 10 00 per 100
ADMIRAL DEWEY, new blush color, }

TEAS, STANDARD VARIETIES.

BRIDESMAID, BON SILENE, CATHERINE MERMET, MME. HOSTE MRS. PIERPONT MORGAN NIPHETOS, PAPA GONTIER, PERLE DES JARDINS, SUNSET, THE BRIDE, selected stock from 2-in. pots.....$5.00 per 100, $45.00 per 1000

HYBRID TEAS.

AMERICAN BEAUTY.....2-inch, $7.00 per 100, $65.00 per 1000
KAISERIN AUGUSTA VICTORIA, LA FRANCE, MME. CAROLINE TESTOUT, METEOR, MRS. ROBT. GARRETT, SOUV. DE WOOTTON, selected 2-in. stock, $5.00 per 100, $45.00 per 1000

ROSES FOR SUMMER BEDDING, CLIMBERS, ETC.

JOHN N. MAY Summit, N. J.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

AMERICAN BEAUTIES

$3 per 100; $25 per 1000.

	Per 100	Per 1000
BRIDES	$1.50	$12 50
BRIDESMAIDS	1.50	12.50
METEORS	1.50	12.50
PERLES	1.50	12.50

THESE are strong rooted cuttings; in fact we have never had so good success with rose cuttings as we are having this year. All stock is guaranteed, all orders are carefully filled and well packed. Write for special prices on 5000 lots.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3 00 a 100, $25.00 a 1000.

J. B. HEISS,

The Exotic Nurseries. DAYTON, O.

AMERICAN BEAUTY. A No. 1 stock.

	Per 100	Per 1000
2½-inch pots	$5.00	$45 00
BRIDES, 2½-inch	3 50	30.00
BRIDESMAIDS, 2½-inch	3.50	30.00
PERLES, 2½-inch	3.50	

CASH WITH ORDER.

JOHN MUNO, Rogers Park, Chicago.

Liberty

Orders received for April and May delivery.

All winter forcing Roses from 2½-in. pots.

WRITE FOR PRICES.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Send 50c or $1.00 For samples and prices of Roses, Brides, Maids, Perles, Kaiserins, Woottons, Golden Gate, La France, or Geraniums in 3 in. Pink, Red, White and Salmon.

GEO. A. KUHL,

Pekin, Ill.

☞ OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU ☜
☞ PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS. ☜

TRADE ADVERTISERS MAKE LARGEST PROFITS

BY LIBERAL ADVERTISING
IN THE PAGES OF THE

Special Spring Number

OF THE AMERICAN FLORIST

TO BE ISSUED THIS YEAR MARCH 31 TWO WEEKS PREVIOUS TO EASTER

A full report of the First Grand Exhibition of the American Rose Society will appear in this issue, with many other features of permanent value.

Copies of this number will be mailed throughout the United States and Canada to every person in the trade whose business is worthy of consideration.

Advertisements in body pages will be taken at our ordinary rates, namely, $1.00 per inch, $30.00 per page of thirty inches, with the usual discount on time contracts.

Advertisements on first and second *Ordinary Cover Pages* sold only on yearly contract, in the usual spaces, at $1.00 per inch, net.

Advertisements on second, third and fourth *Special Cover Pages* (printed on heavy toned paper), $30.00 per page, net.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO, ILL., U. S. A.

☞ *In order that you may be given the best possible position and display*

PLEASE MAIL YOUR ADVERTISEMENT NOW.

Elmira, N. Y.

The flower growers and flower lovers of Elmira gathered in large numbers at the meeting of the horticultural society held March 12, to listen to a talk upon carnations by Grove P. Rawson and to view the display of flowers. It was a carnation meeting and there were exhibited many of the novelties of this year as well as older varieties. H. Weber & Son sent a fine vase of Genevieve Lord, which was excellent in stem and foliage. J. L. Dillon's Queen Louise was beautiful by reason of its pure color and good form. Mrs. Bertram Lippincott, from H. F. Michell, Philadelphia, was fine and may be called an improved Daybreak, a shade or two darker. F. Dorner & Sons sent some splendid specimens of Glacier, Morning Glory, G. H. Crane, White Cloud and Mrs. Bradt. E. G. Hill & Co. sent America, White Cloud and Ethel Crocker, all well grown. The Ethel Crocker was especially pleasing as a deep pink. The Marquis, from Syracuse, was represented by a vase of fine blooms, which attracted much attention on account of their size and beautiful shade of pink. John Rudy, gardener for Mr. Fassett, brought some fine vases of Mrs. Jas. Dean, Jubilee and Flora Hill. The Jubilee as grown by Mr. Rudy leaves but little to be desired in that color. Rawson had well grown specimens of various sorts and Hoffman some very fine White Cloud and Daybreak. The election of officers for the year resulted in the choice of Rev. E. M. Mills as president; R. R. Stockdale, vice-president; H. N. Hoffman, secretary, and Mrs. E. Kennedy, treasurer. H. H.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM (no finer strain on the market) now ready to ship. A splendid stock of plants, in four separate colors; August Seedlings from 2½-in. pots, $5 per 100 $40 per 1000; October Seedlings from flats, $3.50 per 100, $30 per 1000. SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

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ASPARAGUS SPRENGERI, fine plants, 2½-in. pot ..... $4 per 100
NEW FORGET-ME-NOT, Sutton's Gems, large plants ready to bloom ..... $5 per 100
DAHLIAS, named sorts, field roots ..... $4 per 100
BEGONIAS, (tuberous) single ..... $2 per 100
GLOXINIAS, fine strain ..... $3 per 100
GLADIOLI, fine mixture, 2d size ..... $4 per 1000

SEND FOR CATALOGUE AND LIST OF BULBS.

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We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

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ROSES, CLEMATIS, RHODODENDRONS, ETC.

ROSES, Strong 2 Year Field Grown.

	Per 100
Crimson Ramblers with 4 to 5 feet canes,	$15.00
Crimson Ramblers, 2d size, 2 to 3 feet canes	8.00
Yellow Rambler, two years	8.00
Hybrid Perpetual, in fine assortment	10.00
Wichuriana, Japan creeping Rose	6.00
Wichuriana Hybrids, 4 varieties	8.00
Tree Roses, fine heads	30.00
Liberty, new red forcing Rose, from 2½-in. pots, 12 plants at 60c each, 25 at 50c each, 50 at 30c each, 100 at 25c each.	
General assortment of Everblooming Roses from 2½-in. pots, $3.00 per 100, $25 per 1000.	

CARNATIONS, Rooted Cuttings.

Mrs. Thomas Lawson, $14 00 per 100. Ethel Crocker, $10 per 100. The Marquis, $10.00 per 100. Olympia, $12.00 per 100.

RHODODENDRONS.

Large stock of best hardy varieties 15 inches to 3 feet high, clean bright foliage and well set with buds, $45.00 to $150.00 per 100.

CLEMATIS.

Jackmanii, Henryi, Duchess of Edinburg, Ramona, and other large flowered varieties, strong two year plants, $20.00 per 100; strong three years $25.00 per 100.

AZALEA MOLLIS.

Strong, bushy plants well set with flower buds, $35.00 per 100.

Hydrangea Paniculata Grandiflora.

2½ to 3 feet, $10.00 per 100; tree form, 4 to 5 feet high, $25.00 per 100.

Fruit and Ornamental Trees, Shrubs, etc., in large assortment.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. WAVERLEY, MASS.

FINE, STOCKY PLANTS.

	Per 100
Alternanthera, yellow, $1.75, red	$2 00
Oxalis Floribunda, fine for baskets	2.00
Coleus, mixed var., 2-in. pots	2.00
Geranium, my selection, 2 and 2½-in. pots	3.00
" " " 3-in. pots	4.00
Double Petunia, mix. var. 2½-in. pots	3.00
Verbenas, good var., 2-in. pots	2 00
Centaurea Gymnocarpa, 2-in. pots	2.00
Carnations, 2-in. pots, 5 var.	3.00
Pansy plants in bud, cold frame	1.50

—CASH PLEASE—

JOS. H. CUNNINGHAM

DELAWARE, O.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A." Chilwell Nurseries, - Notts, England.

GERANIUMS. A few thousand left, in 2½-in. pots, at $30 per 1000; $3 25 per 100: S A Nutt, LaFavorite, Richard Grett, Marguerite de Loys, Mrs. Jas. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson and Rose Geranium. Also Rose Geranium cuttings at $2 per 100

Mme. Salleroi Ceraniume in soil, $1.50 per 100; $12 00 per M

COLEUS, Crimson Verschaffeltii and Golden Queen, $7 per 1000, 75c per 100; 2-in. pots, $1 50 per 100 Coleus in variety, $5 per 1000, 60c per 100; 2-in pots $1.25 100.

ACERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1 00 per 100; 1¾-in. pots, $1.50 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100.

HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot $1 50 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS $1.50 per 100, 2½-in pots, $2 50 per 100.

FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.

VINCAS, $1 25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M Fine plants.

The above are rooted cuttings, except when noted.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

Send Your Advertisement NOW

FOR THE

Special Spring Number of the American Florist

TO BE ISSUED MARCH 31.

CYCLAMEN PERSICUM GIGANTEUM,

In the various colors and shades. Plants are in healthy condition, $6.00 per 100; $40.00 per 1000.

Money Order Office Chestnut Hill, Phila.

EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA

ROOTED CUTTINGS. .....USUAL PRICES

COLEUS—Verschaffeltii, Golden Queen, mixed. HELIOTROPE, DOUBLE PETUNIAS, SALVIAS, ETC. ALTERNANTHERA, four kinds.

L. H. FOSTER, 45 King Street, Dorchester, Mass.

ROOTED CUTTINGS

Nice, Clean Stuff, and Well-Rooted.

Verbenas, 75,000 now ready, twenty-six varieties.....100, 60c.; 1000, $5.00; 5,000, $22.00
New Daisies, (or Marguerites), the best that have ever been introduced. Try a few of them and find out for yourself.
Carl Poehlman—the new yellow ever-blooming Paris Daisy.....Doz., 25c.; 100, $1.25
Madame Farlaiellon—bright, silvery-green foliage, white flowers, very dwarf grower Doz., 25c.; 100, $1.25
Madame Gailbert—large white petals, yellow disc. Nothing can be imagined that is finer Doz., 25c.; 100, $1.25
New Salvia Yellow Bird—bright yellow foliage, bright scarlet flowers, Doz., 20c; 100, $1; 1000 $9.
Salvia Hahaid—This is more dwarf and much better than Old Splendens. Doz., 20c; 100, $1.00; 1000, $9.00
Geranium—Mme. Salleroi....100, $1.25; 1000, $10.00
Ageratum—Princess Pauline Doz., 20c.; 100, $1.00; 1000, $9.00
Coleus—Golden Verschaffeltii, Scarlet Verschaffeltii, Fire Brand, Tam O'Shanter, South Park Gem, Alhambra, Fire King, Golden Crown, Midnight, Salvator, John Goode, Spotted Gem, Combination, Mrs. F. Sanders, Nigger, Queen of the West, Beckwith's Gem.....100, 75c.; 500, $3.00; 1000, $6.00.
Heliotropes—three fine varieties. Doz., 20c.; 100, $1.00; 1000, $9.00
Manettia Vine.....Doz., 25c.; 100, $1.25; 1000, $11.00
Alyssum—New Double Giant. Doz. 20c.; 100, $1.00; 1000, $9.00
Abutilon—Souv. de Bonn.....Doz. 20c.; 100, $1.25
" Savitzii.....Doz. 40c.; 100, $2.50

Send for Price List.

I pay Express charges and guarantee to please you in every way.

S. T. DANLEY, MACOMB, ILL.

Please mention the American Florist when writing.

VIOLET PLANTS.

One of my growers, who has about the finest violets which I have seen this season, wishes to dispose of a lot of **Rooted Runners** and **divided plants** for Aprit delivery.

If you shall be in the market for any, advise me, as I think I can save you some money, and **know** that only strictly healthy stock will be supplied.

Ask for my Carnation plant list.....

J. B. DEAMUD, 51 Wabash Ave., CHICAGO.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

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BEGONIA INCARNATA An improved form of this valuable flowering plant for Christmas.
Rooted cuttings.....$5 00 per 100
Plants in 2-in. pots.. 8.00 per 100

EDWIN LONSDALE, P. O. Address for the time being:

Money Order office same as heretofore, **Chestnut Hill** (Sta. H.) **Phila., Pa**

WYNDMOOR, Montoomery Co., PA.

Now Ready--New Pink Chrysanthemum

MISS FLORENCE E. DENZER

Certificated by the C. S. A. Dec. 21st, 1899.

The latest Mum. Blooms for Christmas See cut in Florists' Review of Dec 21, 1899 Rooted Cuttings, $8 00 per 100; from 2¼-in. pots, $10 00 per 100

ANT. C ZVOLANEK, Summit Av. & Angelique St. WEST HOBOKEN, N. J.

COLEUS.

2½-in. fine, strong plants, ready to cut cuttings from; $1.50 per 100. Fine selected **Rooted Cuttings,** 80 cts. per 100. **C. WINTERICH, Defiance, O.**

SPECIAL OFFER OF CHOICE PALMS

Strong, stocky and perfect Plants, fully up to my high standard in every respect.

LATANIA BORBONICA.

4 in. pots 3 to 4 characterized leaves, 12 to 15-in. high....	per doz.,	$ 3.00;	per 100, $ 22.50
6-in. pots, 5 to 6 characterized leaves, 18 in. high.....	"	6.00	" 50.00
8 in pots, 8 to 9 characterized leaves, 24-in. high	"	18.00	" 150.00

ARECA LUTESCENS.

12-in. pots, elegant bushy specimens, 6 to 8 feet high.....	each,	$10 00,	$12.50, $15.00
16-in. " " " " 8 to 10 "	"	25.00,	30.00, 35.00

LIVISTONA ROTUNDIFOLIA.

3-in. pots, 3 to 4 characterized leaves, 5-10. high, 8-in. spread.....	per doz.,	$3.00;	per 100, $22.50
4-in. pots, 4 to 6 " " 8-in. " 10-in.	"	4.80;	" 37.50

PANDANUS VEITCHII.

6-in pots, well colored, 18-in. high..... .....each, $1.00; doz.; $12.00

Measurements from top of pot.

CHAS. D. BALL, Holmesburg, Phila., Penn.

EASTER PLANTS.

Azaleas, from 50c to $6 each.
Genistas, from $1 each up—some specimens.
Ericas (Heather), $12 and $15 per dozen.
Lilacs in 4 varieties, from $1.25 to $2 each.
Crimson Ramblers at all prices.
Erica cupressiana, $2 and $2 50 each.
Hydrangeas at all prices.
METROSIDEROS, very fine, from $1 to $5 each.
LILIES, 10 and 12 cts. per bud, by the 1000.
All kinds of bulbs in flats and pans.
Moss Roses and **Baroness Rothschild** in boxes.
Valley, 50c and $1 per pot.

CASH WITH ORDER

ANTON SCHULTHEIS,

P. O. BOX 48 COLLEGE POINT, L. I., N. Y.

--New-- Geranium DEWEY

A GRAND NOVELTY.
COLOR BRIGHT CRIMSON; DWARF, COMPACT GROWER, PROFUSE BLOOMER, GOOD FOLIAGE, VERY ATTRACTIVE.

4-inch pots.....	.....35c	each, $3.50	per doz.
3 " "	.....25c	" 2.50	"
2½ " "	.....15c	" 1.50	"

CARL RAUTH, Springfield, Ill.

Please mention the American Florist when writing.

American Beauties

Now ready to send out, and the best lot of plants I ever grew. 2x3 inch rose pots, $6 per 100; $50 per 1000.

JOSEPH HEACOCK, Wyncote, Pa.

FOR SALE

2000 BRIDES and 2000 BRIDESMAIDS, in 2½-inch pots, now ready. Price $3.00 per 100.

500 AMERICAN BEAUTIES, in 2½-inch pots, ready about April 10. Price $4.00 per 100.

JOHN L. WYLAND, - - DeHaven, Pa.

5000 Ampelopsis Veitchii. Dormant, pot grown, long tops. 1 year old, $3 00 per 100; 2 year, $6 00 per 100. **Prepaid at 25c per 100 extra.** Clematis Paniculata, strong field plants, $1 per doz., $7 per 100. Cannas, dormant roots, strong: Chas Henderson, Alphonse Bouvier, Florence Vaughan, Queen Charlotte, $3 00 per 100. **Alsace, White Canna, 5c.** Vinca Variegata, 2½ in., $3 per 100 Asparagus Sprengerii, 3½-in., fine, 8c CASH please.

BENJ. CONNELL, Florist, WEST GROVE, PA.

MAMMOTH VERBENAS Large rooted plants, 60c per 100, $4 50 per 1000
Cyclamen, 3-in. $5 per 100. White stocks for Easter, 2-in., $1 50 per 100 Rooted cuttings double and single Petunia mixed, $1.00 per 100 Dwarf Lobella, $1 per 100. **SAMUEL WHITTON,** 15-17 Gray Ave., Utica, N.Y.

Please mention the American Florist when writing

VERBENA KING.

Verbenas, rooted cuttings, 60c per 100, $5 per 1000, $22 per 5000.

2-in. Verbenas, fine plants, $2.00 per 100, $18 00 per 1000.

AGERATUM, Lady Isabell and Cope's Pet, 60c per 100, $5 00 per 1000.

CARNATIONS	Per 100	Per 1000
Flora Hill	$1.50	$14.00
Morello	1 50	14.00
Mayor Pingree	1 50	14.00
Daybreak	1 50	14 00
McGowan	1 00	8 00
Wm. Scott	1 00	8 00

DAISIES, California and Yellow Castle, $1.00 per 100, $9.00 per 1000; 2-in. $2.00 per 100, $18.00 per 1000.

HELIOTROPE. 10 best var., $1.00 per 100, $8.00 per 1000; 2-in. fine plants, $2.00 per 100, $18.00 per 1000.

Express paid on all Rooted Cuttings, and satisfaction guaranteed for that Cash please.

C. HUMFELD, Clay Center, Kas.

Chrysanthemums Rooted Cuttings

Yellow Queen, Mrs. Robinson, G. Kalb, Merry Monarch, Maj. Bonnaffon, Ivory, Lady Playfair, 75 cents per 100. **BEGONIA** Rex R. C., fine mixed, $1 50 per 100. **AGERATUM** dwarf or tall, 2-in. pots, $1.50 per 100. **VINCA VAR.,** 2-in. pots, $1.50 per 100.

H. DANN & SON, Westfield, N. Y.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and **H. A. MOLATSCH,** 68th St., bet. 8th & 9th Avenues, Brooklyn, N Y

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

Orange, N. J.

Samuel Henshaw, of the New York Botanical Garden, entertained the New Jersey Floricultural Society at its meeting on March 7, with a talk on what he has seen on his recent visit to Puerto Rico and Trinidad, of the flora and people of those islands. Mr. Henshaw is an observant man with a particularly keen perception of the humorous and a willing ability to impart his impressions iu an exceedingly witty and entertaining manner, so his address was not only valuable for the interesting horticultural information it contained but also was enjoyable because of the general narrative as to the customs and manner of living of the people of Puerto Rico. He told of the beauty of the tropical mountains of Trinidad, the botanical gardens there, the rankness of the forest growths, the sugar plantations and other agricultural resources of Puerto Rico, etc., and enumerated among the plants he had noted in a wild state twenty-one varieties of native begonias, tradescantias, oxalises, marantas, euphorbias, aloes, crotons, bananas, palms, tree ferns and Victoria regia.

It is the purpose of the New Jersey Floricultural Society to distribute among the school children, in May several thousands of plants, with directions for their cultivation, and arrange for the admittance of these plants at the fall exhibition of the society, when prizes will be awarded to the most worthy. J. B. Davis, J. C. Williams and John Hayes are the committee in charge of the matter. A large number of plants have already been donated for the surpose.

Popken & Collins report a fine local trade in flowering bulbs with numerous funeral pieces. General trade is good for the season.

ROCHELLE, ILL. — Augustus Caspers has completed a new greenhouse.

R. C. CARNATIONS, Closing Out Prices.

	Per 100		Per 100
Mrs. Thos. W. Lawson	$12.00	Flora Hill	1.00
Olympia	12.00	America	3.00
Genevieve Lord	9.00	Melba	2 00
John Young	1.00	Glacier	2 50
White Cloud	2.00	Maud Adams	2.00
Mrs. G. Bradt	3.00	Empress	.75
Gold Nugget	2.00	Psyche	.75
Argyle	.75	Mary Wood	3.00
Armazindy	.75	Morning Glory	6.00

UNROOTED CARNATION CUTTINGS.

	Per 100		Per 100
G. H. Crane	2.00	Flora Hill	.50
Glacier	1.50	Mary Wood, fine	1 50
Mrs. G. Bradt	1 50	White Cloud	1.00
Melba	1.50	America	1 75
Gold Nugget	1.00		

ABOVE UNROOTED CUTTINGS PREPAID BY MAIL.

PLANTS, All Good Stock.

	Per 100		Per 100
Geranium De Roo Mitting.......2¼-inch	$ 7.00	Begonias, flowering, named, 12 var...2¼-in.	1.50
" Double Snow Drop.... "	7 00	Forget-Me-Not, winter flowering .... "	1 50
New Yellow Baby Primrose in bloom, 2¼-in.	7.00	Iresines, red and yellow "	1.50
Geranium Mme. Salleroi.........2¼ inch	2 00	Mesembryanthemum, basket plant... "	1.50
" named, our selection only, 2¼-in.	2.00	California Moss..... " " "	1.50
Coleus, named, 2¼-in	1.50	Lobelia, blue bloom, " " "	1.50
Petunias, double mixed, 2¼-in	2 00	Feverfew, Little Gem and yellow foli. "	1.50
" " " 3-in	3.00	Cigar Plant "	1.50
Primula Obconica in bloom, 3½-inch	3.00	Abutilons, mixed "	1.50
" Chinese " "	2.50	Roses, Bride, Bridesmaid and Pearl, "	2 00
" " " 2¼-inch	1.00	Salvia Clara Bedman "	1.50
" " from flats	.50		

THE MORRIS FLORAL CO., MORRIS, ILL.

...SPECIAL...
ROOTED CUTTINGS.

Choicest Varieties Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000. Strong 2½-in. Brides Meteors Maids, Perle, Wootton. $3.50 per 100, $30.00 per 1000 Elegant stock. Rooted Cuttings, $1.50 per 100, $12.50 per 1000.

50,000 Verbenas, 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

Alyssum, strong 2-inch, 2 cents.

Geraniums, sweet-scented, strong 2½-inch 2¼ cents; strong 2-inch, 2 cents. Mme. Salleroi, strong 2-in., at $2.00 per 100.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2¼-inch, $2.00 per 100.

Fuchsias, 6 best sorts, strong R. C., $1.50 per 100. Black and Purple Prince, 2-in., 2.50 per 100; 2½-in., $3.00 per 100.

Smilax, strong, 2-inch, $1.00 per 100; $8.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1 00 per 100.

Vincas, Major and Variegata, strong 2½-in., 3c; strong 2-in., 2½c.

Marguerites, New Giant White, a grand sort, and New Golden, strong 2½-in., 2½c; strong rooted cuttings, $1.00 per 100

Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100 $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

PEPPER, small plants for transplanting, in several varieties: 25c per 100; $2.00 per 1000. Add 10c per 100 if by mail.

EGG PLANTS, New York Improved, for transplanting, 25c per 100; $2.00 per 1000.

CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

WHEN IN WANT OF

RAFFIA !

WRITE

Jacob & Allison,

IMPORTERS,

63 Pine Street, NEW YORK.

PREPARED CYCAS LEAVES

Perpetuated Palms and Palm Leaves.

Send For Prices.

TROPICAL PREPARED PLANT CO., Orlando, Fla.

By using our first-class

PREPARED PALM MATERIAL

Florists can make their own **PREPARED PALMS.**

Write us for full particulars and prices, or see our adv. in AMERICAN FLORIST during February and March.

Florida Natural Products Co., Box 327, Orlando, Fla.

"ROOM WANTED."

Asters, Ageratum and Lobelia, 50c per 100. Salvia Splendens, 75c per 100. Begonia Vernon, Thunbergia and Feverfew, $1.00 per 100. Heliotrope, $1.25 per 100. Single Dahlias, $1 00 per 100. Canna, extra strong, dry roots, $1.25 per 100. All strong and healthy plants. Cash with order. Order now, as stock is limited.

Machines for making pots of cow manure, $5.00 Write for particulars.

ELIZHOLTZ & WOLDIKE, Lawrence L. I.

RHUBARB. LINEUS, bright red, early, good cultivated roots, 35c per doz.; $2.50 per 100; $22.50 per 1000. 250 at 1000 rate.

T. C. ARNOLD, Cometsburg, Pa.

Money Order office, Frankfort Springs, Pa.

PREPARED TROPICAL PALMS

—AND—

CYCAS ..LEAVES.

Send for Catalogue.

Ostertag Bros., Florists,

Washington and Jefferson Aves., ST. LOUIS, MO.

Sulpho-Tobacco Soap

Universal Insecticide

For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores.

ROSE MFG. CO.

NIAGARA FALLS, N. Y.

GEORGE RIPPERGER,
SHEEP MANURE

I have now on hand a large quantity of A1 SHEEP MANURE. ☞ Send for Price List and Sample.

Best Fertilizer for Top Dressing.

Office, 207 Academy St., Factory, Seventh St., **LONG ISLAND CITY.**

HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

DUNNE & CO., 50 West 30th St. New York.

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HAIL

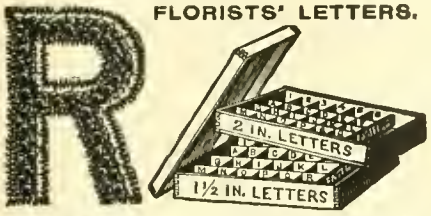
For Insurance Against Damage by Hail Address

JOHN G. ESLER, - Sec'y F. H. A.

SADDLE RIVER, N. J.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1 ½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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The Philadelphia Wire Works.

HENRY RAJSIK, Proprietor.
Manufacturers of all kinds of
WIRE GOODS For Florists' Use.

ANY FLORAL DESIGN AT SHORT NOTICE.

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Cycee Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

New Catalogue of all FLORISTS' SUPPLIES on application. For the trade only.

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Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.
Send for Prices.
404-412 East 34th St., NEW YORK.

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Manufacturers of
TIN FOIL
2 AND 4 DOMINICK STREET,
New York.

REED & KELLER.....

Florists' Supplies
122 W. 25th St., NEW YORK CITY.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-160 VEDDER ST., - CHICAGO.
TELEPHONE NORTH 953

Smilax stringing made easy by the use of
MEYER
GREEN SILKALINE
Just the shade of the foliage. Samples and prices free.
JOHN C. MEYER & CO.,
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For sale by leading Florists.

WHITE ENAMEL REFRIGERATOR CO. St. Paul Minn.

MANUFACTURERS OF **Florists' Refrigerators.** Correspondence Solicited.

ST. PAUL, MINN., December 8, 1898.

WHITE ENAMEL REFRIGERATOR CO., St. Paul, Minn.:

DEAR SIRS—Since using your ice case in our retail flower department we have saved 30 per cent. in the consumption of ice. Our saving in flowers we cannot accurately determine, but should estimate conservatively 25 per cent. Not only this, flowers keep with us as they never did before, and retain their salable appearance longer. Your box is certainly a boon to the florists, and we predict a wonderful sale on them, especially to the florists, when their qualifications become known.

Yours truly, L. L. MAY & CO.

M. RICE & CO.,

Importers and Manufacturers of **Florists' Supplies.**

918 FILBERT STREET, PHILADELPHIA, PA.

Tobacco Dust
"The Brown Bellows Kind"
Ground to a powder so it can be applied with a bellows gun
= It's Stronger than Strong =
Sample mailed Free
H. A. Strout
Tobacco Dust Specialist
1180 West St. N.Y.C.

"NICOMITE"

(PATENT)
Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
ALL GREENHOUSE BUGS.
SOLD BY SEEDSMEN.
The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

Sheep Manure

DRIED AND PULVERIZED.

PUREST and cleanest Sheep Manure on the market. Write for samples and prices.
PLACE ORDERS NOW.
J. V. MERRION,
Un. Stock Yds., Chicago.

BEST AND Cheapest ALL-ROUND INSECTICIDE on the Market.

"ROSE LEAF" EXTRACT OF TOBACCO "INSECTICIDE"

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. ...The American Florist.

Holyoke, Mass.

The florists in this locality report a big rush of funeral work since Christmas. There has been a great scarcity of flowers, especially carnations, off crop striking all at the same time, but as the days lengthen and sun strengthens, the outlook brightens. Easter stock is coming on in fine shape. Lilies will be plentiful and good, especially longiflorums. Harrisii are badly diseased as usual. Bedding stock in this vicinity is plentiful and very good and the florists anticipate a good spring trade.

There are several carnation seedlings in the hands of our growers but they have not been tested enough for the originators to say much about them.

The Holyoke, Springfield and Northampton horticultural societies had the pleasure of listening to a paper on "Roses, Past and Present," read by John N. May, of Summit, at the meeting in Holyoke on March 7. These societies have been holding a series of union meetings this winter which have been very successful and of infinite value.

While in Holyoke Mr. May was entertained by Mrs. Day Chadwick, who is a prominent member of the Holyoke Horticultural Society.

Mrs. E. H. Howland has been dangerously ill for several weeks. G. H. S.

HARRISVILLE, R. I.—The greenhouses of Moses Wilcox have been sold to E. Delporte.

JACKSONVILLE, ILL.—Joseph Heinl will use Garland's iron gutter in the range of new houses which he is preparing to put up this spring.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN ---- CIRCULAR FREE -

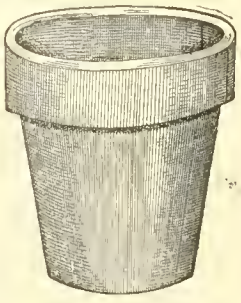
SKABCURA DIP CO. CHICAGO.

Kill AND SAVE the THE BLOOMS Bugs!

QUICKLY DOES IT.

RED POTS

FOR THE MILLION.



Sample Pot with Price Mailed Free.

FRESH TOBACCO STEMS, one cent per pound,
Put up in bales of two to three hundred pounds.

G. G. POLLWORTH CO.,
FLORISTS' SUPPLIES.
Milwaukee, Wis.

KIFT'S PATENT
Adjustable Vase Holders.

No. 1.—Brass, nickeled, 4 feet long, six clasps to each rod.
Price complete (with green or white tumblers).....$2.25.
Price complete (with green or white cornucopia vases).....$2.50
No. 2.—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-inch pots.....each $1.75.

KIFT'S PATENT
RUBBER-CAPPED FLOWER TUBES.
(As per illustration), 4-inches long, ½-inch diameter, per 100, $3.50.

Both the above are indispensable to the decorator. In use and highly recommended by the principal retail stores. Send for illustrated circular.

JOSEPH KIFT & SON, Florists,
1725 Chestnut St., PHILADELPHIA, PA.
Please mention the American Florist when writing.

ESTAB. 1765
A. H. HEWS & CO.
NO. CAMBRIDGE MASS.
L. I. CITY N.Y.
CATALOGUE FREE.

KELLER BROS.,
213-15-17-19-21-23 Pearl St.,
NORRISTOWN, PA.

Manufacturers of Standard Flower Pots, red in color, equal to the best on the market; are 16 miles from Philadelphia, best of railroad connections. We give special attention to mail orders and make special sizes to order in quantities. A postal will bring prices and discounts.

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AMERICAN FLORIST ADVTS.

WHILLDIN POTTERY CO.
STANDARD
BRANCH WAREHOUSES
KEARNEY AND WESTSIDE AVES JERSEY CITY, N.J.
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FACTORY. 713-719 WHARTON ST. PHILADELPHIA PA.

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LIQUID PLANT FOOD
For Greenhouse Cultivating.
EASTERN CHEMICAL COMPANY,
Chicago Office: 620 Atlantic Ave., Boston.
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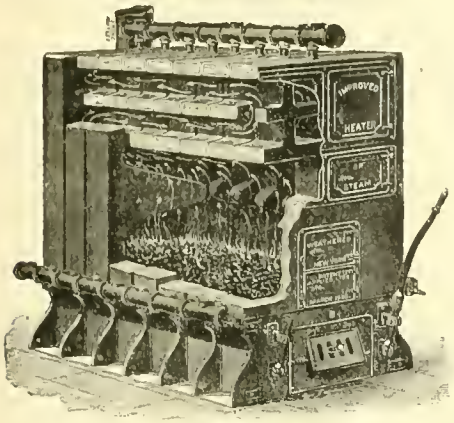
RED TOWERS BRAND
BONE MEAL
FOR FLORISTS.
100 lb. bag.....$1.75 ½ ton.....$14.50
¼ ton.....$7.50 1 ton.....$28.00
F. O. B. Bridgeport, Conn.
—ALSO—
Odorless Lawn Dressing.
Terms, Cash with Order.
RED TOWERS GREENHOUSES,
HACKENSACK, N. J.

THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
HARRY BALSLEY, Rep.
DETROIT, MICH., 490 HOWARD ST.

THIS IS THE HEATER,



AND THIS IS WHAT THEY SAY OF IT.

MESSRS. THOS. W. WEATHERED'S SONS,
46 and 48 Marion Street, New York, N. Y.:

Gentlemen—I am highly gratified with the results I have obtained from your Sectional Boiler which you put in for me last October. Although you would only guarantee the six sections to heat 1620 feet of 4-in. pipe, I attached it to over 1,800 feet. It did it so well that I put on about 300 feet more, making in all 2,100 feet, and I am positive that I can add more to it. It is the best I have ever seen and a great coal saver. I have to keep the fire door open all the time.
I would be pleased to have anyone call and see it. Yours truly,

George Schubert

WE REFER to the following named parties who have lately purchased and are using our Sectional Boiler:

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Wm. G. Muller, Lyons Ave., Newark, N. J.
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Geo. Schubert, West Hoboken, N. J.
R. E. Shufelt, Chatham, N. Y.
A. E. Aldrett, Morrison, Ill.
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Packed in small crates, easy to handle.

	Price per crate			Price per crate
1500 2-in. pots in crate,	$4.88	120 7-in. pots in crate,		$4.20
1500 2¼ " "	5.25	60 8 " "		3.00
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1000 3 " "	5 00	48 10 " "		4.80
800 3½ " "	5.80	24 11 " "		3.60
500 4 " "	4.50	24 12 " "		4.80
320 5 " "	4 51	12 14 " "		4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

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OR.... **FORT EDWARD, N. Y.**
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ALL KINDS.

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MANUFACTURERS OF
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near Wrightwood Ave.,
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FIRST QUALITY.			ORDAM COLOR.		
1½ in., per 1000..	$2 40		3½ in., per 1000,		$ 4 80
2 in., " ..	2 75		4 in., "		6 20
2½ in., " ..	3 35		5 in., "		10 80
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Packages extra.

C. HENNECKE CO. MILWAUKEE, WIS.

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If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

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We have been selling to Florists generally for years,

BOILER TUBES OR FLUES

Of a second-hand nature, for hot water heating, and for general purposes. It is all in nice condition and practical for further use. Note our prices:

2 inch - - - - - - -	6 cts. per ft.
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Write for our catalogue No. 47, quoting low prices on SASH, ROOFING GLASS, BRAND NEW GARDEN HOSE, and supplies in general bought by us at SHERIFFS' AND RECEIVERS' SALES.

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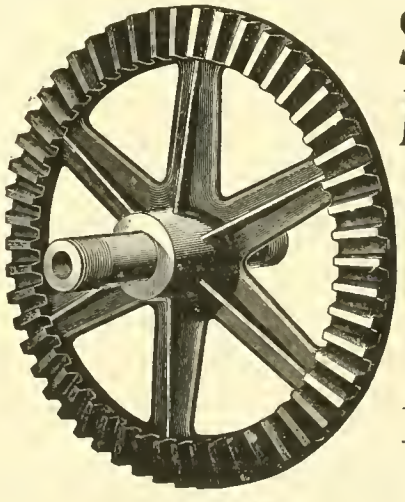

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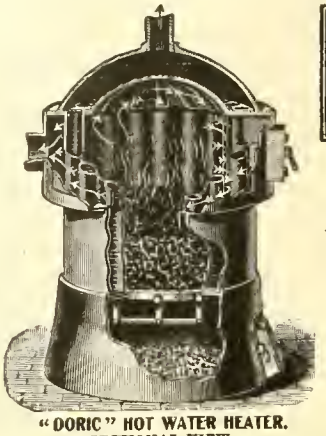

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SECTIONAL VIEW.

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CAPACITIES FROM 400 to 2600 FT. 2-IN. PIPE.

The Best Boiler on Earth for Greenhouse Heating.

ALSO MADE FOR STEAM.

Water Section Made in One Casting. No Leaky Joints to Worry Over. Deep Fire Pot. No Need to Sit Up All Night to Keep Your Fire Going.

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Exclusively
A GREENHOUSE HEATER!

SPECIALLY ADAPTED FOR THE WORK. EASY TO ERECT; SIMPLE IN OPERATION; ECONOMICAL AS TO CONSUMPTION OF FUEL.

Send for Catalogue and latest prices.

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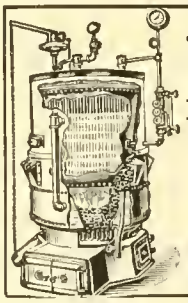
GREENHOUSE GLASS
OUR SPECIALTY.
LARGE STOCK PROMPT SHIPMENT.
ALSO MANUFACTURERS OF Pure Linseed Oil Putty, Paints, Brushes Etc.
WRITE FOR LATEST PRICES.



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Boilers OF HIGH GRADE..
For GREENHOUSES.
See our Catalogue.....
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GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 458 W. Broadway, NEW YORK.

THE SCOLLAY BOILER
"INVINCIBLE"
FOR GREENHOUSE HEATING.
Steam or Hot Water.
SEND STAMP FOR CATALOGUE.
JOHN A. SCOLLAY,
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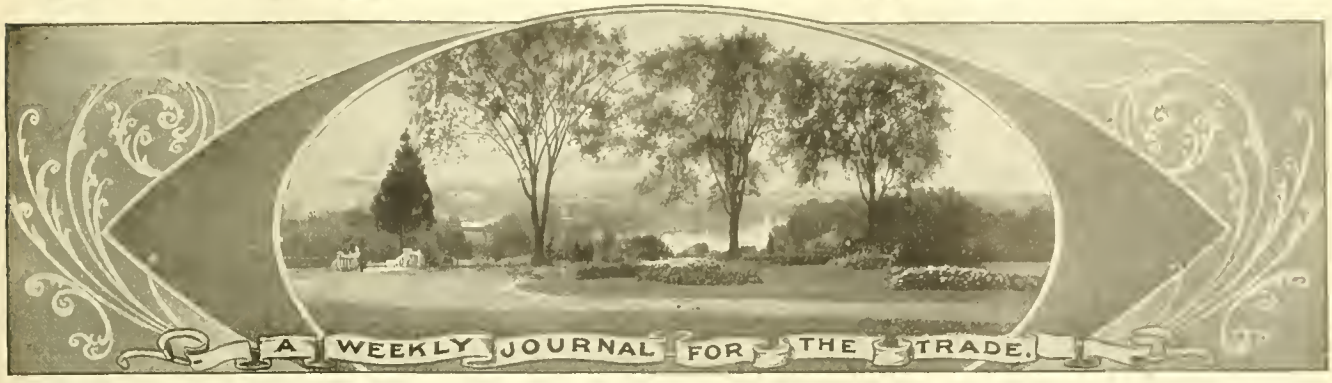
...AMERICAN FLORIST
when you write to an advertiser.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XV. **CHICAGO AND NEW YORK, MARCH 31, 1900.** **No. 617**

THE AMERICAN FLORIST

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

An Urban Harbinger.

In the sweet country, as the spring's
  Advance decks out the scenery,
And limns with hues the colored things
  And gives the greens their greenery,
I love to watch when I am there
Each little step of Nature's care;
The wiles with which she goes about
To coax the shivering crocus out,
And, day by day, succeeding troops
Of blooms to marshal in their groups.

In town it's different! All's wrought out
  With least of her complicity,
By man-power, helped, as I misdoubt,
  By steam and electricity.
The bed that yesterday was snow
To-morrow's plants, set all arow;
You press a button and they blow.
Just watch them and you'll see it's so.
I'm told, too, that in open sight
The park men turn them off at night.

You can't rely on city plants
  Whose habits have been tampered with.
I always look at them askance.
  Such culture as they're pampered with
Might well their little minds upset,
Confuse their dates, make them forget
The calendar, their proper times
As set by use and nursery rhymes—
All, all, except, come sun, come cold,
They're bound to blossom when they're told.

I trust them not, but when it's fair
  I note in garb delectable
Sophronia driving out for air
  With parent most respectable.
And when she leaves her furs at home
I say the season's ripening some.
Successive hats new brought from France,
Denote to me the sun's advance,
And, when her parasols appear,
I cry, "Now bless me! summer's here."

—*Scribner's Magazine.*

THE AMERICAN ROSE SOCIETY.

FIRST ANNUAL MEETING, NEW YORK, MARCH 28, 1900.

The first annual meeting of the American Rose Society was called to order at the Fifth Avenue Hotel, New York, on Wednesday afternoon, the attendance being large. President Benjamin Dorrance proved an ideal presiding officer and opened the session with a highly interesting address, during which he reviewed the evolution of the rose during the past thirty years.

Secretary Barron reported thirty-five life members and 169 active and associate members. The report of Treasurer May was also very encouraging.

Officers were elected as follows: President, Benjamin Dorrance, Dorranceton, Pa.; vice-president, John H. Taylor, Bayside, N. Y.; secretary, Leonard Barron, New York; treasurer, John N. May, Summit, N. J. N. Butterbach and H. A. Siebrecht were chosen to succeed themselves as members of the executive committee.

The society was given a pressing invitation to Syracuse for its next meeting, but it was voted to again meet in New York.

Prof. Byron D. Halsted presented an essay upon diseases of the rose, which is published herewith.

Diseases of the Rose.

BY PROF. BYRON D. HALSTED.

The earliest trouble of the rose to engage my attention ten years ago, when I first went to the New Jersey Experiment Station, was that due to nematodes. In the report of that year it is recorded that "sickly, stunted greenhouse roses have been sent to the station and the cause for the lack of vigor was not far to seek. The roots of the plants were badly knotted and the whole root system infested with gall worms."

In the report for the next year (1891) the following is found recorded: "Complaints have come to the station from various quarters of a shortness in the hothouse rose crop, and a visit made to Madison and other rose growing localities convinces me that the trouble is not due to any one enemy. The affected rose plants have a stunted, sickly appearance; they fail to send up strong shoots, and only develop short stems, bearing pale, sickly leaves. Such plants fail to produce good flowers and are comparatively worthless.

"The roots of such specimens may be swollen in places, and the knots contain multitudes of nematode worms. It is of great importance to have the soil used for potting plants or the greenhouse bed free from the worms, and, of course, only plants with roots free from knots and galls should be used. The greatest trouble with the rose plant soil is probably the manure that is used in great abundance by the growers. It is likely that this manure is infested with the worms. An experiment in raising roses in a soil where stable manure is replaced by a judicious mixture of commercial fertilizers is well worth trying. It has been shown, for example, during the present season, that sweet potatoes can be grown to great profit without the city manure that has been the standard source of plant food among truck farmers. Also, it has been demonstrated that potatoes thus grown are less liable to attacks of the various rots and decays. If the right mechanical consistency for the roses can be obtained in connection with the commercial fertilizers, it is quite evident that the soil would be under better control and less liable to various infections."

In 1892 six pages were given to nematodes, thus showing that the study of the subject had been continued. The last words by the speaker upon the subject are in an article written by request for the Florists' Exchange and published in its issue for January 27 of the present year. From that article the closing paragraphs are quoted: "The point that most interests rose growers is how to get rid of the nematodes. In order to do this it will be of much assistance to know where the worms come from; how they propagate and get into the roots of infested plants. These eel worms are much more abundant than generally supposed, and it is only when they are numerous that their mischief becomes apparent. In looking up the subject of tomato blight in the south, some years ago, it was observed that the tomato plants were, almost without exception, more or less affected with the root galls, and the same is true of a large list of plants, both herbaceous and woody. The nematodes are, as a rule, much more abundant in warm climates than elsewhere, and the lack of these pests in

northern gardens is likely due to the freezing of the soil.

"The greenhouse furnishes the proper condition for the propagation of the eel worms, and this naturally raises the question of how they first get into the bed. This may be in one or more of several ways. They may be already in the roots of plants, but in small numbers, when the plants are placed in the house. To guard against this, the roots should be examined as closely as possible for the galls when the beds are set and all galled rose plants excluded. The nematodes may come in with the earth. As before stated, the worms infest a large number of kinds of plants, and it is an easy matter for them to come with the soil. Soil that has not been used for growing plants in the garden is not necessarily free, but if taken from a pasture or meadow may contain many nematodes. Then again, they may be taken into the house with the manure that is used.

"The determination of the best precaution remains for the practical rose grower. Cold in excess will probably destroy the worms, and likewise a high temperature is inimical to them. Both these conditions may be impracticable to apply to the soil, the one being impossible in some cases, and the other too expensive.

"Recently Doctors Stone and Smith, of the Massachusetts Experiment Station, have made extensive tests with nematodes, and they conclude their report by stating that while many solutions are capable of killing the mature worms, the strength and amount necessary to add to the soil is great. The most effectual, complete and practical method at the present time of exterminating nematodes in greenhouses is by heating the soil by means of steam. This can be accomplished without much expense, providing proper attention is paid to the method of applying the steam. They find the minimum amount of heat necessary to kill the nematodes is 140° F. Rose growers might make the experiment of heating the soil of a small portion of the bed before setting the plants, and satisfy themselves if such treatment will pay.

"If manure is the chief vehicle of the worms, it may be possible to grow roses without so much of this constituent in the rose soil. It may be that roses can be grown with a formed soil, to which all the necessary elements of plant food have been added as commercial fertilizers. Perhaps, however, the pampered rose will not perform its part unless fed in the ordinary way to which its ancestry had been accustomed. The fact is that the worms are doing much damage, and when they are once in a plant there is no known way of driving them out. New conditions may induce the formation of new roots, and a sickened plant may revive, but this is not to be expected under such circumstances. With roses the writer has not found the eel worms in other than the roots and it is not thought that cuttings from galled plants will carry the trouble."

THE BLACK SPOT.

The most widespread and conspicuous of the 100 or more fungous diseases of the rose is the black spot due to the Actinonema rosæ Fr., and first described in 1826. It is seen that this is an old enemy and has long been known to the rose growers of Europe. The foliage, when attacked, soon develops the characteristic black spots, and the leaves become elsewhere pale, and shortly fall to the ground. As a result, rose houses badly infested with the black spot show but few leaves and fewer blooms. The microscopic structure of this fungus has been fully considered, with plates, in the first annual report made by Prof. Scribner as Chief of the Section of Vegetable Pathology of the United States Department of Agriculture, for the year 1887. It only needs to be said here that experiments with this fungus have been carried on sufficiently by the New Jersey station to warrant the assumption that it can be controlled by the proper use of fungicides. This trouble may be held in check by the carbonate of copper compound (cupram) using five ounces of the carbonate of copper to three quarts of ammonia and sixty gallons of water. The spraying should be done once a week, using a hose with a nozzle that gives a fine spray. The point should be to wet every part of the plant and yet not drench it. If many leaves have fallen from the plant they should be gathered up and burned.

Some varieties are more liable to the black spot than others. When possible

ROSE LEAF SHOWING BLACK SPOT.

—that is, when all other things remain the same—it is, of course, wise to grow those least susceptible to the disease. It may be said, in passing, that during the year 1892 the black spot was observed by the speaker upon a species of wild rose, Rosa humilis, where it was causing the leaves to become spotted and yellow. It is not surprising, for the wild plant was growing but a short distance from a neglected estate where garden roses were badly spotted. The actinonema is a small genus and some of the species are parasites upon the basswood, beach, ash and viburnum. The one upon the rose is not found upon plants outside of the genus rosa, and there has its favorite species and varieties. This is shown in a remarkable manner with some of the cultivated sorts grown side by side in the same house. It is often very bad upon the American Beauty.

THE ROSE LEAF BLIGHT.

A fungus that disfigures and injures the rose leaves almost as badly as the black spot is the Sphærella rosigena Ell., commonly called the rose leaf blight. A thoroughly diseased leaflet has large, irregular blotches of gray color surrounded by a margin of dark purple. The gray, dead center of the spot bears a number of pimples or specks, more numerous and conspicuous near the center, and in these the spores are produced.

Under the microscope the fungus is very different from the black spot and instead is closely related to the leaf blight of the strawberry which is due to Sphærella fragariæ Tul. In other words, the two blights in question are as closely related as any two species of the genus rosa. It is important to know these relationships between the various plant diseases for it is helpful in the struggle in overcoming them. The leaf blight of the strawberry is very much more common than that of the rose and any effective remedy found for the former may be of value in checking the ravages of the latter. Fruit growers have found this strawberry leaf blight a hard one to check, perhaps because of its many forms of spores and the low habit of the plant and the consequent difficulty of readily spraying the foliage upon the under side. This difficulty does not obtain with the rose, and it may be controlled more easily. There is no question but that the standard fungicides should be used when this fungus is at work.

The black rot of the grape, due to Læstadia Bidwellii (Ellis), is a first cousin of the rose disease in hand and the fact is mentioned because the grape rot trouble is one of the most common and destructive of the whole list of fungous diseases. There is a stubbornness met with in attempts to control this decay that almost baffles some vine growers, especially during moist months in the growing season.

THE ROSE MILDEW.

The most familiar fungous enemy of the rose is the mildew, Sphærotheca pannosa Wallr. This disease has been known for a long time and is quickly recognized by the powdery coat it develops upon the affected parts. It is so rapid in its development that rose growers are sometimes inclined to assign the cause of the growth to that which is in reality only the condition or conditions favoring the appearance of the mildew. It comes from spores, which falling upon the surface of the plant will quickly germinate and produce a cobwebby coating to the foliage. This fungus is so different from the others that have been mentioned that a word is needed in way of explaining the habit of the parasite, as this lies at the foundation of the rational treatment of the pest. In the first place the rose mildew is a surface feeder and only attaches itself to the epidermis of the host, through which, by means of small suckers, it derives its nourishment from the deeper seated substance. Being therefore entirely upon the surface, the fine threads of the fungus may grow rapidly and make a mildew patch in a very short time that is easily seen.

The exact conditions that favor this development of the spores are of course better known to the rose grower than to me. Some of them claim that they can develop the fungus at will by omitting some essential point in heating, watering or ventilation, particularly the last. If a certain current of air is sure to produce the mildew, and of this I am not fully able to say, it follows that the spores of the mildew were widely scattered through the house and they started into vigorous growth at those places where the conditions were supplied for such activity.

The superficial nature of the mildew is of great importance when the matter of remedies is considered. It is a fungus that is in the air, as it may be termed, in contrast with most of the rose diseases that, when active, are deeply seated in the plant. The spores are produced as minute, delicate cells upon upright filaments that arise from the web of horizontal vegetative hyphæ. They are easily reached by fungicides and apparently destroyed without difficulty. Any of the ordinary sprays will answer for the mildew but even these need not be resorted

HUGH GRAHAM'S EXHIBIT AT THE SPRING SHOW OF THE PENNSYLVANIA HORTICULTURAL SOCIETY.

to, provided spraying is uncalled for by the presence of other rose fungi. In short, if the mildew is the only enemy at hand it may be kept in check by the use of flowers of sulphur, either dusted upon the plants or even the pipes of the greenhouse, the point being to produce a gentle fumigation of the plants and the whole house with the fumes of the sulphur. Professor Maynard, of the Massachusetts Experiment Station, finds that a small kerosene stove is most convenient for this purpose, and the sulphur, by means of it, is boiled in a kettle for two or three hours twice a week, the house being closed during the operation. The only precaution is to use no more heat than is sufficient to boil the sulphur, for should it catch fire it might damage the plants.

Mr. John N. May writes that the best way to get rid of the mildew is to close the house about 8 o'clock in the morning, run the temperature up to 75°, then, with a bellows, fill the house full of sulphur. Let the house remain closed till it reaches 85° or 90° and afterwards let air in gradually. A constant circulation of air is likewise recommended for roses at all times. Potassium sulphide, one ounce to two gallons of water, sprayed upon the plants, has proved an effective remedy. Massee states that "flowers of sulphur mixed with about one-third of its volume of slaked lime dusted on the foliage prevents the spread of the disease." Gardeners, from long experience, have come to the belief that rose mildew is induced by a weak condition of the plant, resulting from partial starvation, irregular or excessive watering and undue exposure to drafts of cold air. The best success in rose-growing, as in all other things, attends those who give constant, intelligent care to the many details. The rose mildew has its close of kin in the mildew of the chrysanthemum, the phlox, pea, gooseberry, grape, cherry and apple and many forest trees, as oaks and chestnuts. Some of them are very injurious, but all can doubtless be controlled by fungicides.

THE DOWNY MILDEW OF THE ROSE.

A second form of mildew is sometimes troublesome to rose growers. This is a close relative of a similar one upon the greenhouse lettuce and another is often destructive to spinach, while a third is the cause of a soft rot of potatoes. It produces downy or velvety patches upon the leaf, quite unlike the form above described and the threads run through the substance of the leaf. In this case the fungus will have vegetated for a considerable time before it appears upon the surface which is entirely for the purpose of producing its multitude of spores borne upon the tips of the many aerial branches.

It is evident that the sulphur fumes may cause the destruction of the spores, but may not reach the hyphæ that are vegetating within the substance of the host. Such treatment, while tending to check the spread by means of the spores, will not be sufficient to arrest the growth of the fungus that is already in the tissue of the host.

There is also a second form of spore that is produced beneath the skin of the leaf and out of reach of fungicides. As a precaution it is therefore well to destroy any mildewed leaves or else when they fall the spores may be set free. It may be said that the careful rose grower will gather up and destroy the dead foliage and reduce as far as possible, thereby, the chances of his plants becoming diseased from spores that are formed upon or within the old leaves.

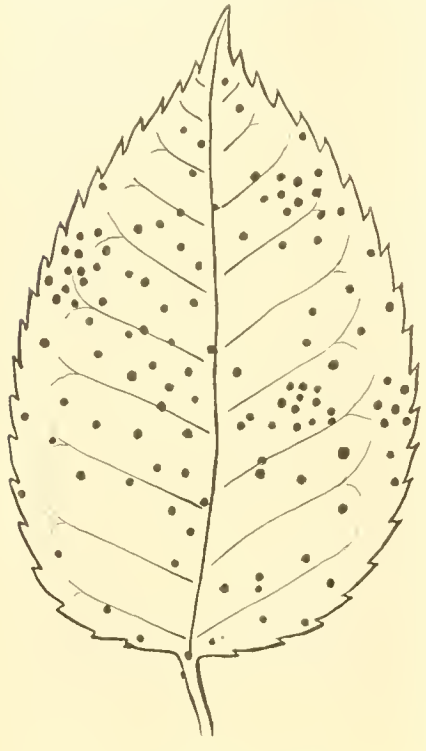
THE ROSE RUST.

There is a genuine rust of the rose similar to that of the wheat, oats and other grains, but it is a pleasure to note that it is not common upon indoor roses in this portion of the country. It has been sent to me at various times as a troublesome pest upon roses grown for ornament in the flower garden and lawn. In "Plant Diseases by Massee," a new book just published in London, this rust is figured and described as follows: "A troublesome pest to cultivators of roses, attacking more especially hardy hybrid varieties. All three forms of the fungus are produced on the same host. The æcidia appear in late spring on the leaves and young shoots, forming powdery, orange patches, and often cause distortion of the shoots. About midsummer the patches become deeper in color, owing to the formation of uredospores. Finally the teleutospores, or resting spores, are produced as minute black dots on the under surface of the leaves.

"The appearance of the disease in spring depends entirely on the presence of teleutospores in the neighborhood; it is therefore necessary to collect and burn all fallen leaves in the autumn. Plants that have been attacked the previous season should be thoroughly drenched with a solution of sulphate of copper in water, two ounces in three gallons, in early spring before the buds expand. The soil around the plants may also be sprayed with the same solution. Dilute Bordeaux

mixture or ammoniated carbonate of copper solution checks the æcidium and uredo stages. The fungus also grows on wild roses, and these may become a source of infection unless precautions are taken."

American rose growers are doubtless familiar with the orange-colored, pow-



BLACK SPECK OF THE ROSE.

dery masses in early summer which accompany the malformations of stem and leaf, followed by the dark, almost coal black, patches later in the season. When a shrub is badly infested there is little better to do than cut the whole plant away close to the ground. This fungus is closely related to the one upon the blackberry and raspberry, causing the destructive rust of those plants. It has been shown that the fungous hyphæ penetrate all parts of the blackberry plant, even the roots, and the rose grower may not find that severe pruning will rid a plant of the pest when it is thoroughly infested. Therefore, as with the raspberry rust, it may be necessary to root out and destroy the rose bush and start again with a healthy plant. This rose rust is a good illustration of the great depth to which a fungus will penetrate in the host and the difficulty of eradicating the same. It goes without saying that ordinary sprays will be of little curative effect upon a plant when the living vegetative threads of its fungous parasite penetrate to all parts. In California the writer has seen the rust upon roses much worse than here, when every leaf upon some shrubs was badly affected. In such a warm climate, when the plants retain their foliage throughout the year, the dark, winter spores, not being needed, are omitted and the orange-colored form of summer is perennial. There are many of the rusts in the warmer parts of the earth that grow continuously, while the same kinds of plants with us are exempt, presumably due to the uncongenial nature of our climate. In passing it may be said that the chrysanthemum rust produces only the summer form in the greenhouse and the hardy out-of-door sorts seem to be exempt from the disease.

THE ROSE ANTHRACNOSE.

The chief feature of this disease is the scarcity of leaves. Instead of a plant with foliage upon all the canes, there are but few leaves upon some stems, while others are entirely defoliated. The whole plant is infested with the fungus, and this parasite so saps the vitality and interferes with the processes of growth that the leaves, even if they were healthy in themselves, are unable to perform their work. The fact is that the leaves are infested with the anthracnose filaments, and soon after falling, if not before, they will show the spore formation of the anthracnose fungus, Gloeosporium rosæ Hals. In general appearance and habits of growth, this fungus is quite similar to the one causing the anthracnose of the raspberry, Gloeosporium venetum; possibly it is identical and if so the presence of the one is a menace to the host of the other.

The rose plant is most likely attacked while young, or at least it is to be presumed that the young portions of a plant are most susceptible. The attack is from without, and the spores falling upon the surface of the young, tender canes, and leaves as well, germinate there and produce, in a short time, an affected spot. If this takes place in a cane, it is natural to suppose that the portion above the infested part will be girdled, in so far as the attack is great, and this will interfere with the direct support by the whole plant of the part beyond the diseased place. Besides this, the fungus spreads, and more rapidly, in the direction toward the tip of the cane. It is not unusual for a diseased plant to send up apparently healthy shoots from near the base of the stem, these in turn to become infested.

Roses that have a sickly color to their foliage, with the leaves falling prematurely, especially from the tips of the canes, may be suspected as victims of the anthracnose. A hand-lens should be sufficient to assist in finding pinkish blotches upon the leaves, particularly those that lie upon the moist earth beneath the half-defoliated plant. Similar, but better defined, pimples usually occur upon some portion of the cane.

It will be gathered from these remarks that the rose anthracnose is a specific disease, caused by a well-defined fungus that grows rapidly from spores, penetrates the substance of stem and leaf and finally causes defoliation and death of the cane. The anthracnose, because of its multitudes of spores produced in pimples on leaves, particularly fallen ones, and the canes, and the ease with which they are transported by water, also rapidity of germination, all combine to make this fungus enemy of the roses very contagious.

This class of fungi to which the gloeosporium belongs is amenable to treatment by fungicides. A coating of the Bordeaux mixture or cupram upon the leaves and stems prevents in large degree the entrance of the germs. Therefore all rosehouses where there is any anthracnose should be sprayed with one of the above compounds. It goes without further saying that all plants that are nearly leafless from this cause should be either cut down close to the soil or thrown bodily into the burnheap.

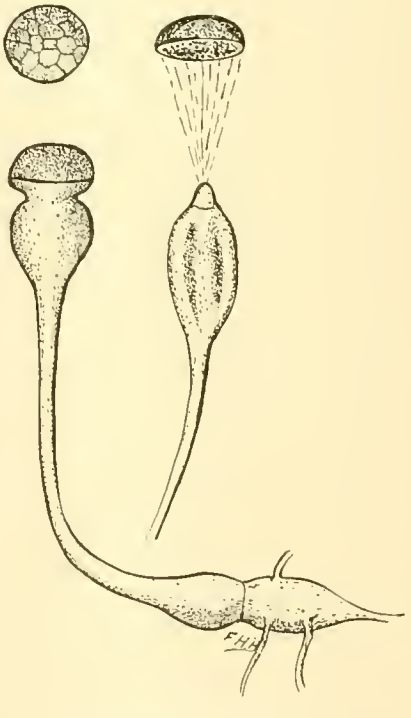
THE ROSE LEAF SPOT.

Somewhat similar to the leaf blight previously mentioned is the leaf spot due to the fungus Cercospora rosæicola Pass. This produces spots that are of a gray color with a dark purple border, and the spores are long and borne in little tufts upon the surface of the central portion of the dead areas. In microscopic structure the leaf spot and the leaf blight are very different, the former having the spores upon the tips of threads which previously have grown through the stomates. The leaf blight has the spores borne internally in small pits and are poured out in a viscid coil when the part is moistened.

These facts are given to show that while to the naked eye the differences between the two herein named fungi are not apparent, under the microscope they are widely unlike, and the treatment that will work admirably for one may not answer for the other. As yet this leaf spot is not common, but when found at all is often quite destructive. From the nature of the fungus it is inferred that it is to be easily controlled by fungicides. For example, its cousin, Cercospora beticola Sacc., is the common beet leaf spot with which there have been many experiments, and it is found very amenable to treatment with the Bordeaux mixture and other standard fungicides.

BLACK SPECK OF ROSES.

Complaints have come to the writer from time to time with regard to a speck upon the rose plants. This trouble is due to the indirect, and not to the intentional, action of a fungus, and in this respect is quite unusual, and merits a word of consideration. The fungus that is the source of trouble is somewhat closely related to the coarse one that thrives upon bread, and is very damaging to sweet potatoes in the storage bin, causing the soft rot. In short, it is one of the molds and grows upon organic substances and not, as before stated, upon the rose.



PILOBOLUS CRYSTALINUS.
(Fungus to which black speck of the rose is due).

The fungus in question is Pilobolus crystalinus Tode, and forms in large numbers upon the manure used to cover the bed where roses are growing. As it

matures a dark oval ball or sac is produced filled with spores of the pilobolus. This black sac is supported upon a swollen stalk rising from the surface of the manure, and when mature the enlarged portion, filled with liquid, suddenly forces off the spore sac and collapses, throwing the ball of spores into the air. These dark spore sacs are covered with moisture as they are discharged and will adhere to any object which they may strike in their flight.

The writer has examined houses where this fungus has developed extensively upon the manure and counted as many as a hundred specks to the square inch upon the white wood-work surrounding the bed. An examination of the perpendicular sash in dividing walls in greenhouses will show, from the numerous spore specks adhering, that the height to which the dark sacs are thrown is fully ten feet; but there is a rapid falling off in the number upon any given area when the height of two or three feet is reached. These specks, of course, from what has been written, may be upon any plant that is within range; but they do no further harm than the disfigurement thereby produced. They are more often met with in rose houses, because there the manure is more frequently left upon the surface than with other kinds of plants.

If a remedy is sought it may be found in dispensing with the manure on the surface, stirring it at frequent intervals to prevent the fungi from having time to mature their dark shells containing the "shot" in the form of spores, so to speak, or by using some fungicide as a spray upon the manure that will kill the mold. However, as a rule the bombardment does not last long and no vigorous measures are generally called for in this case. An illustrated article, by the writer, upon this subject appeared in the AMERICAN FLORIST for April 30, 1898.

BRONZING OF THE ROSE.

As a last trouble to be mentioned at this time attention may be called to a peculiar discoloration of the leaves that has been termed "bronzing." The affected foliage takes on a brown hue and the leaflets may fall away. With some varieties, as La France, it is much more frequently met with than upon most other varieties. It is not demonstrated as being of fungous origin and probably is due to a structural weakness permitting the skin to become scalded or at least injured by too great exposure to the sun.

If this be the fact the remedy seems to lie in a more complete shading of the plants. Of two varieties equal in all other points the one that is most nearly free from the "bronzing" should be chosen.

CONCLUSION.

In conclusion it may be said that the purpose of this paper has been to point out some of the characteristics of the leading fungi injurious to the rose, with remarks upon the remedies for the same so far as they have been determined. As a rule these diseases thrive best under conditions of too great moisture accompanied by ill ventilation and draughts of cold air. One cannot say that they are entirely creatures of neglect, but frequently they come in their greatest strength when culture has not been according to the sound principles of healthy vegetable growth.

Let it not be forgotten, however, that fungous diseases are contagious and the virus for inoculation passes from plant to plant by the currents of air and may drip from leaf to leaf in the water that falls from the nozzle of the hose. Great care needs to be taken not to introduce an enemy with new stock and the grower should be swift to discard or destroy that which is not healthy.

The true rose grower will make it his highest ambition to grow superior plants, for the profit it may be, but first of all because his heart is in his work, and I do not know of anything one can be more proud of than roses, the queen of all the flowers, which as loved pets have willingly and generously produced objects of the highest beauty and excellence in response to tender, sympathetic and loving care.

NEW ROSE BALTIMORE.

New Rose Baltimore.

This latest of John Cook's roses is in every way worthy to be named after the beautiful city where it was produced and is a close approach to a white American Beauty. In stem and leaf it is no whit behind that popular variety, and a cluster of it on stems three or four feet long, with its plentiful, massive foliage, topped by great buds of white, shading to a delicate shell pink center is a delight to the eye. The world of roses is not stationary but moving, and moving in the direction of size conspicuously. It is safe to say that with the advent of a class of large roses such as this, that can be forced continuously, our present everyday varieties will become as rare as the Isabella Sprunts, Bon Silenes and Safranos of twenty-five years ago are today.

MACK.

Rose Growing With Chemical Fertilizers.

Some extensive experiments have been made by Prof. Wm. Stuart, of the Experiment Station, Lafayette, Ind. The subject has been treated quite exhaustively in a bulletin by Mr. Stuart, who summarizes the results as follows:

"There is every reason to believe from the results obtained in the several experiments enumerated, that chemical fertilizers when properly used may be made to serve every need of the rose plant so far as food is concerned.

"The use of raw bone meal in every instance gave an increased yield over that of the control plants, as well as

giving a greater percentage of gain than did those receiving other forms of phosphoric acid.

"Pure bone meal is not injurious to rose plants, even when applied in amounts largely in excess of the requirements of the plant.

"The acidulated bone meal which has been used by florists and supposed to be harmful, did not produce any noticeable injury, even when used in large amounts.

"As a rule, a combination of phosphoric acid and nitrate of soda gave better results than one of phosphoric acid and muriate of potash.

"Two or three applications of potash during the season was found to be preferable to a single application, although in some instances no injury from the single application was apparent.

"A larger number of Perle roses were produced from plants grown in a black than in a clay loam, while the Kaiserin gave reverse results.

"The sub-watering method proved an efficient means of supplying the plants with moisture."

Market Ferns.

Lomaria ciliata major may be recommended as one of the best of the genus; spores germinate freely, and with good treatment useful plants may be established in a few months. Its great advantage over L. gibba is that the fronds stand more erect; the fronds are also longer. Few ferns make more symmetrical table plants. To establish good plants they must have careful attention from the start. The seedlings should be divided singly as soon as large enough to handle, and potted in a light compost. When large enough for potting into 5-inch pots, a good rough compost may be used, fibrous loam, leaf mould and peat, with plenty of sand added, and good drainage; or if leaf mould is not to be had, some well rotted stable manure may be used. They may be grown on in a stove temperature, and like a moist atmosphere, but over watering at the roots should be avoided. After the plants have attained to a useful size, they may be gradually hardened off and well exposed to the light, when the fronds will harden and will stand well when used for house decoration. The lomarias are not the most popular of ferns, but I have found that the above variety finds a ready sale and should rank among our most useful market ferns.

Of the larger fronded maidenhair ferns, Adiantum scutum is the most useful; it makes a well furnished plant in a 5-inch pot, or as a larger specimen it is very useful. The plant should be potted in good rough loam, and plenty of manure, and a good sprinkling of sharp sand; unless the loam is very heavy no peat should be used. Grown in good loam, the fronds are of better substance than when a light, peaty compost is used. Young plants may be raised freely from spores. It is, however, necessary to be careful to collect new spores, and they should be taken just as the first spore cases begin to burst open. I may add that in potting off the young plants, clumps of three or four seedlings may be potted together, and will make well furnished stuff much quicker than when grown singly. In the earlier stages they may be grown in plenty of heat; but after they are well advanced an intermediate temperature, with plenty of light and air, will ensure firm fronds, which last well either when cut, or used as pot plants. I believe if a regular succession of this useful fern were sent to market, it would soon become as popular as Pteris cretica major is at the present time. In referring to this variety, it occurs to me how changes come about from time to time, even in the demand for ferns. A few years ago the crested varieties of P. serrulata and P. cretica were more in demand. Now the plain fronded varieties find more favor, especially P. cretica major or P. Ouvrardi, as the best variety is often called.—*A. Hemsley in the Gardeners' Chronicle.*

Relationship of Flow and Return Pipes.

ED. AM. FLORIST:—Kindly inform me if one 2-inch pipe is sufficient return for eight 1¼-inch pipes, the return to run along the end of the houses farthest from the boiler? The house is 125 feet long and there will be one foot fall in 200 feet of the return. T. E. B.

Whether used as a flow or a return, it is not advisable to carry more than 200 feet of radiation with a two-inch pipe unless the coil is considerably above the heater. Eight 1¼-inch returns 125 feet long will give nearly 350 square feet of radiation, and the surface of the return itself will bring it up to more than 400 feet of radiation, which will require a 2½-inch supply and return pipe, unless many feet above the heater. L. R. T.

CARMEL, ME.—Ernest Harvey, late of Freeport, is to build a greenhouse here 30x60.

HOUSE OF CATTLEYA TRIANÆ 820 FLOWERS, AT BAYARD THAYER'S, LANCASTER, MASS.

Rose Kaiserin Augusta Victoria.

The accompanying illustration shows a bloom of this popular rose produced by a plant in a ten-inch pot. The plant was grown by Michael Pope, a gardener of Naugatuck, Conn. Mr. Pope states that he has much success with this variety in pots. The plants are grown in the open field all summer and lifted and potted in the fall.

ROSE KAISERIN AUGUSTA VICTORIA.
(Bloom from a ten-inch pot plant).

Exhibition of The American Rose Society.

The first annual exhibition of this young organization, at the Eden Musée, New York City, on March 27, 28 and 29, was a great and unqualified success. Had the hall been larger, the beauty of the unprecedented collection of fine Beauties, Brides and Bridesmaids that had been brought together would have been more apparent and more fully realized by the visitors. The display of the new Liberty, showing its adaptability to various forms of decorative work, would have been alone almost sufficient to adorn a small hall. The secretary stated that the number of exhibitors was over fifty and the number of separate entries was 127. The judges were Edwin Lonsdale, Robert Halliday, W. I. Brower, Samuel Goldring, I. L. Powell and George Hay. Their duties were by no means either easy or enviable on account of the close competition in a number of the commercial classes. The hall was festooned about with southern smilax and several groups of palms, crotons, etc., filled the corners and stage and this, together with the tall mirror decorations, relieved the show of the monotony frequently seen in exhibitions of this character. It would have been better had the tables been considerably lower, the tall roses in the tall vases towering so high as to be often beyond the range of vision. Another year it is to be hoped that, with more time for preparation and the incentive of this very successful affair to give encouragement, we shall see a good lot of hybrid perpetual roses on the boards; they were conspicuously absent on this occasion.

The most conspicuous feature of the show was Liberty rose. Its elegant color and fine keeping qualities were well displayed in the various forms in which it was shown, much credit being also due to J. I. Donlan, who did the work of arranging it with his accustomed taste. There were two novelties that attracted more than usual attention. Robert Scott & Son's new hybrid tea, which has been named Robert Scott, might well be described as an ever-blooming Baroness Rothschild. It is the progeny of Merveille de Lyon and Belle Siebrecht, the former being the seed-bearing parent, and best of all, it is an American-raised seedling. The Floral Exchange, of Philadelphia, showed their novelty, the pink sport from American Beauty, named Queen of Edgely, to good advantage. The color is a little softer than that of American Belle and the full constitutional strength and vigor of the Beauty appears to have been retained.

The Mason cup for the best display of roses was won by Peter Crowe, Utica, N. Y., with a grand vase of 200 Bridesmaids with four-foot stems. The Bliss cup for best fifty blooms was won by E. G. Asmus with Liberty. The Fitzgerald prize went to T. J. Kelly, Madison, for thirty-six Bridesmaids. The Thorley cup went to E. G. Asmus for a collection of twenty-nine named varieties of roses. This must be won in two exhibitions before becoming permanent property. The Wood prize went to A. G. Spalding for twelve Marechal Niels. The Pierson cup for 100 red blooms was won by E. G. Asmus with Liberty. The Asmus prizes for fifty Beauties were awarded, first to J. Heacock, Philadelphia, and second to L. M. Noe, Madison, N. J. The Taylor cup for Admiral Dewey rose was awarded to its donor. The American Rose Company's cup for Golden Gate went to Robert Simpson, Clifton, N. J. James Dowlen, gardener to H. L. Terrell, won first and Wm. Turner, gardener to W. Rockefeller, won second for the New Jersey Floricultural Society's prizes. J. H. Dunlop, Toronto, got the Morris County Gardeners' prize. The Hill vase for collection of named roses went to E. G. Asmus. The Lenox Horticultural Society's prize went to P. J. Donohue, gardener to M. K. Jessup. The Young cup for mantel decoration was won by E. G. Asmus, the principal flower used being Liberty rose. Mr. Asmus also got the Craig cup for mirror decoration with Mme. de Watteville roses. The New York Florists' Club's medals were awarded, gold to Peter Crowe and silver to Benj. Dorrance. The Lincoln Company prize went to Edmund M. Wood & Co., Natick, Mass., for the finest roses in the show. Siebrecht & Son put up a handsome mirror decoration with asparagus, Beauty, Bride, gardenias and Farleyense fern in competition and Jos. Kift & Son gave a fine illustration of the usefulness of their adjustable vase holders and small flower vases in decorative cut flower work. A Liberty cap made entirely of about 100 short stemmed Liberty roses was much admired.

In the regular "open to all" prize classes awards were as follows: Bride, first, E. M. Wood & Co.; second, Jos. Heacock. American Beauty; first, Myers & Samtman; second, Joseph Heacock. Bridesmaid, first, H. Hentz, Jr., Madison, N. J.; second, Jos. Heacock. Meteor, first, J. H. Dunlop, Toronto; second, L. B. Coddington, Murray Hill, N. J. Morgan, first, J. H. Dunlop. Cusin, second, E. G. Asmus. Hoste, first, J. H. Dunlop. Golden Gate, first, Peter Crowe, Utica. Lady Dorothea, first, Elwood Brant, Madison. Watteville, first, E. G.

Asmus. In the class reserved for small growers of roses prizes were as follows: Beauty, first, H. Weber & Sons. Bridesmaid, second, P. F. Ryan.

In the class for private gardeners and amateurs the awards were as follows: Beauty, first, Chas. Brentanzel, gardener to W. L. Stowe; second, S. L. Talbot, gardener to L. P. Morton. Bride, first, N. Butterbach, gardener to C. N. Bliss; second, T. Heather, gardener to J. B. Colgate. Bridesmaid, first, N. Butterbach; second, A. A. Taafe, gardener to F. O. Mathieson. Wootton, first, T. Heather. Bon Silene, first, T. Heather. C. Steinhoff won first and second prize for Crimson Rambler. Certificates were given to The Floral Exchange for Queen of Edgely, to R. Scott & Son for Robert Scott, and to Benj. Dorrance for Sarah Nesbitt.

Among the exhibits other than roses were some nice orchids from Lager & Hurrell. They had two cattleya novelties, C. Trianæ Fairy Queen and C. Trianæ aurantiaca, both white varieties; also American-raised seedling cattleyas, Clarindiana and Clarindiana var. Clio, both being the result of a cross between C. speciosissima and C. intermedia. N. Butterbach showed a seedling adiantum between A cuneatum and A. scutum with hard foliage and very promising appearance. Dailledouze Bros. showed carnation No. 666 and received a certificate for it. W. A. Manda showed Cherokee rose, J. N. May mignonette, H. Weber & Sons Carnation Geneveive Lord, and H. A. Siebrecht & Son decorated the front of the stage with a miniature rose garden. The weather was glorious throughout.

Among those present from outside the immediate vicinity of the city were Messrs. Edwin Lonsdale, Robert Craig, W. P. Craig, Jos. Heacock, D. Fuerstenburg, H. C. Gieger, Robert Kift, H. Fancourt, A. Fahrenwold, A. B. Cartledge, E. Weiss, F. P. Myers, Geo. Samtman, Wm. Monroe, H. Simpson, of Philadelphia; E. M. Wood, Fred. R. Matheson, P. Welch and W. J. Stewart, Boston; John Barr and Alex. Montgomery, Natick, Mass.; J. H. Dunlop, Harry Dale and C. J. Tidy, Toronto, Ont.; D. Dean, Little Silver, N. J.; Frank McMahon and Jas. Dowling, Seabright, N. J.; N. Butterbach, Oceanic, N. J.; Wm. Russell and I. L. Powell, Millbrook, N. Y.; Wm. Scott, Tarrytown, N. Y.; Peter Crowe, Utica; P. M. Pierson, Scarborough, N. Y.; P. J. Donohue and E. Lundberg, Lenox, Mass.; Fred. Donahue, Babylon, N. Y.; C. J. Dawson, Newark, N. J; F. M. Smith, Cleveland, O.; T. Ulam, Pittsburg, Pa.; Benj. Dorrance and G. E. Fancourt, Dorranceton, Pa.; Robt. Montgomery, Wellesley, Mass.; J. N. May, J. E. Lager and H. Hurrell, Summit, N. J.; F. L. Moore, Chatham, N. J.; W. A. Manda, Jos. A. Manda and D. MacRorie, South Orange, N. J.; M. MacRorie, John Hayes and Geo. Smith, Orange, N. J.; Robert Halliday, John Cook, Jr., Paul Binder and Wm. Fraser, Baltimore, Md.; Robert Simpson and Geo. Young, Clifton, N. J.; Geo. Hay, Stamford, Conn.; Sam. Goldring, Albany, N. Y.; H. F. Burt, Taunton, Mass.; M. Higgins, East Bridgewater, Mass.; A. Lange, Chicago.

F. L. Harris.

In our Boston notes of last week it was announced that the veteran Massachusetts horticulturist, F. L. Harris, would shortly retire from the scene of his life work, the famous gardens of H. H. Hunnewell, at Wellesley. For nearly half a century Mr. Harris has directed the work of this splendid establishment, which is known far and wide as the best example of ornamental gardening in America. It therefore affords us great pleasure on this occasion to be able to present our readers with a portrait of Mr. Harris, and we know that thousands of them will heartily join us in wishing that he may long be spared to enjoy his well won honors.

F. L. HARRIS.

The Lord & Johnson Boiler Explosion.

Referring again to the boiler explosion described by Lord & Johnson, of Owatonna, Minn., on page 680 of the current volume of the AMERICAN FLORIST, and to my communication relative to the same subject on page 748, as, in order for Lord & Johnson to give all the details of the plant and its installation which were needed to enable one to state the cause of the troubles referred to, would have necessitated considerable cross-correspondence, the gentlemen have written to me direct, giving in detail all the desired information, and asking that I include it in my report to your columns, for the enlightenment of your readers.

As the subject may be of interest to many, I will describe the plant and its extraordinary manner of installation, as gathered from the facts submitted, as fully as possible. The range of houses consists of a series of three houses, two of them 16x100 and the other 10x100, built together on the ridge and furrow plan, with a six-foot hotbed along the east side of one house, the boiler cellar being at the south end, opposite the central house.

The boiler was a vertical sectional one of ordinary pattern, of cast iron, the mains of ample capacity, the flow or steam main rising directly from the boiler to about the height of the ridge line of the houses, and then branching into a separate steam main into each house, running along the ridge to the farther end, then dropping and branching into coils of seventeen return or circulating pipes, returning under the side benches, and then connecting to a common main entering the boiler at the bottom. In order to feel sure that the apparatus would work without hitch, the local fitter inserted in each of the return coils a complicated swivel expansion joint. From the above general description, we would imagine a very simple and good natured apparatus, but we will now discover some of its eccentricities.

At the time the plant was installed the returns had no valves, neither stop nor check; neither were there any air cocks put in. Under these conditions, when either of the valves, which were on the steam or flow mains, were closed, the water would leave the boiler through the return pipes, as by the cooling of the steam within the coils a vacuum was formed, and as there were no air cocks to relieve this vacuum, the water in the boiler was called on to perform this service, even though there was no steam pressure recorded on the guage, as the suction power of a vacuum is equal to about fifteen pounds to the square inch, the steam or vapor being thrown off by the water in the boiler replacing the water drawn out, until so much water was drawn out that much of the fire surface of the boiler was left uncovered, and consequently became overheated.

Now the strange part of the affair is that, notwithstanding this condition occurred very frequently during the early use of the apparatus, and that cold water was admitted to the boiler to make good the apparent shortage as indicated by the water guage, and that this cold water feed connection was at the top of the boiler, directly over the heated surfaces, the boiler apparently suffered no injury, while, as a matter of fact, the castings must have been very seriously strained.

The local steam fitter, realizing at last that such treatment might result disastrously, even to so good natured a boiler, then inserted air valves at several points; but even this did not entirely dispose of the difficulties, as the suction of the vacuum was so great that the air valves could not supply air fast enough to replace it, and some water was still drawn from the boiler into the coils and held there until the air valves had admitted sufficient air; then the water would slowly drop back to the boiler, but so slowly, as not to cause any serious trouble, and under these conditions a much lesser quantity of water left the boiler, and it was for a comparatively short period only.

The steam fitter, having "guaranteed" a first-class job, and realizing that there was still something the matter with the works, and wishing to satisfy his customer but not knowing quite what to do in the case, struck on the unique plan of removing all the air cocks and in their place inserting stop valves in each end of each pipe in each coil in each house, evidently believing in the axiom, "a thing which is worth doing at all is worth doing well."

Now we come to the time of the "accident," at which time stop valves were on the steam main to each house and on the coils as above stated, but no air cocks. It is claimed that the water guage showed ample water, the steam gauge showed but little pressure, but upon the fire being banked the pressure quickly dropped to zero. The valves on the steam mains were all closed, as were also the ones on the several return coils. One hour later, the steam guage still showing no pressure, the boiler broke up.

The cause which led to this break-up was as follows: Just previous to the banking of the fire and the shutting of the valves, all the pipes were filled with steam, but on shutting the valves and checking the fire the steam in these pipes condensed, and consequently the

space formerly occupied by this steam became vacuum, with its suction power of fifteen pounds per square inch, and as there were now no air cocks to admit air to replace this vacuum, the process of suction was continued for some time and was ultimately replaced by water drawn from the boiler through one or more of the seventeen valves on the return or circulating coils at their lower end, which, while closed sufficiently tight to check the ordinary steam circulation, were not tight enough to resist the suction power of the vacuum, which was probably augmented by some steam pressure within the boiler, but which was not enough to indicate on the steam gauge, which indication, when showing one pound pressure, indicates that this pressure is above atmospheric, which atmospheric pressure has a weight of fifteen pounds to the inch. The water thus being drawn from the boiler, left the cast fire sections uncovered. They consequently became overheated. Then an hour later when the steam valve was opened, letting steam into the coils, the water ran back to the boiler by its natural attraction of gravity, came in contact with and quickly cooled the heated boiler plates so as to cause sudden and excessive shrinkage and consequent breakage. Had there been a greater pressure of steam in the boiler, as suggested by Lord & Johnson in their communication, the destruction would have been very serious, and I doubt if there would have been much of the boiler left with which to have made the temporary repairs which they were fortunately able to do.

Had this boiler been of wrought iron instead of cast iron the probabilities are that the troubles would have been much more serious, as the water striking the heated plates would have so quickly generated steam, which, having no outlet, would have raised the pressure in the boiler so rapidly, and to such an extreme, as to cause an explosion which would have left little of the boiler house or surrounding buildings to tell the story. The safety of a cast iron boiler lays in the fact that as soon as the heated, uncovered surfaces are reached by water they break apart by the sudden contraction, and so afford an immediate relief for any excessive accumulation of steam.

HENRY W. GIBBONS.

Easter Pot Roses.

The illustrations herewith are not intended to show how large it is possible to make the Crimson Rambler and other climbers grow, it being understood that two, three or four-year-old plants would make a much finer showing, but the photographs well illustrate what can be accomplished by intelligent cultivation in a short time and suggest possibilities in plants that can be sold at a profit at prices that are within the reach of the average customer. The plants were grown by Lawrence Cotter, of Dorchester, Mass., and at the present date are only a little over a year old, having been from cuttings rooted in February, 1899. To test the comparative value of each method one-half were grown inside and one-half outside all summer, and the result appears to have been the same in both cases, no difference being apparent in the plants. The pots outside were plunged up to the rims and taken in December 15. Mr. Cotter's experience is that the process of ripening is the most important feature in the handling. At first they were kept at a temperature of 42°, then advanced to 45° at night until early in February when the heat was increased to 50° and later on to 53° while the buds were developing. The ramblers are gross feeders and were given liquid manure stimulant and were top dressed with sheep manure and loam in equal parts. The Crimson Rambler is the slowest of its type, and requires about a month longer time than do the pink, white or yellow ramblers. The moss rose shown is the new climbing variety, Cumberland Belle, which cannot fail to become a great favorite an account of its beauty.

Sweet Peas in Canada.

As the period is near when growers of sweet peas will be looking over the catalogues and considering the merits of the different kinds, some practical remarks from a "sweet pea crank" who has made a study of them for many years and who last season grew 212 different varieties, may be acceptable.

There are many theories as to the best soil for sweet peas, the best manures and the best ways of planting. I have tried, during the last ten years, every method I have heard of and I cannot find that any one of them has shown such a marked advantage over the others as to be the best for all purposes, so much depending upon climatic conditions. It is commonly stated that a clay soil is the best for sweet peas but the finest flowers I ever saw were grown in almost pure yellow sand on the shores of Lake Simcoe. They had purity of color, substance of petal, size and solidity of stem unequalled, and they were grown by a lady who had never tried them before, and without manure.

Eight years ago I rented a house with a yard which was composed for eighteen inches of its depth of a dirty white clay which had been dug out in making the very large cellar. There was a stable at the end of the yard, and a pony which had been kept there, and bedded on fine shavings, had had the run of the yard, and so had the shavings. After getting off such shavings as were not too firmly embedded in the clay, I set a man to work to dig the garden. He found it impossible to do it without the aid of a pick. This will give some idea of the nature of the soil. After the ground had been roughly worked over I dug a trench along the west and a portion of the south

ONE YEAR OLD PLANT OF CRIMSON RAMBLER.

sides of the fence, about fifteen inches deep and twelve inches wide. The clay which came out of this I mixed with coal ashes and partially rotted horse manure in about equal proportions and put it back in the trench, pressing it down with my feet. I then made holes three inches deep and one inch apart and sowed a sweet pea seed in each. It was May 24 when I sowed the seed. Nearly every seed grew, and I never saw such growth. The fence was eight feet high, and I put up wires two feet higher; the peas grew over these wires, and some of the vines ran down into my neighbor's garden nearly seven feet. We picked the flowers every day. I have not a record of when they commenced to bloom but I think it was about the third week in July and they continued a mass of flowers until cut down by frost the second week in November.

In 1898 I made an experiment with eight trenches one foot deep and wide, filling them with various mixtures of yellow clay, good loam, sandy loam, and strong black loam, manured in various ways, with horse manure, cow manure, hen manure, soot, wood ashes and lime. The season was dry and although I used unlimited supplies of water, my eight rows were all equally bad; there was not a choice between them, and I had the poorest lot of peas I ever grew. A friend of mine in a lower part of the city, with a yellow sand for soil, had the finest peas in town and only used the hose once during the season. I think the reason for this was that his subsoil was also of a sandy nature with some admixture of clay and, being near the shore of Lake Ontario, his ground always appeared to be moist about a foot below the surface, no matter how dry the surface might be.

In the fall of 1896 I gave some Blanche Ferry seed to a florist friend of mine who has large, lofty greenhouses and he sowed them in a solid bed in the center of the greenhouse in a compost one half very heavy clay and the other half horse manure, not by any means thoroughly decomposed, and he wrote me on May 7, following:

"I planted the sweet pea seeds on a solid bench in one of my greenhouses last fall and they have produced the finest flowers ever seen in this city, either grown in the house or open air. The flowers are large and of good substance, and the colors clear and distinct. They are nearly all produced three and four on a stem, and the stems are remarkably long and sturdy, very many fourteen to sixteen inches long."

I send you all these details because I think they go to prove that success in growing sweet peas does not entirely depend upon the quality either of the soil or of the manure used. As the result of my experience in growing them for many years I believe that a good light clay loam is the soil best suited to their growth, and I think that new ground that has not been tilled for some years and contains a large proportion of natural humus will give better and larger flowers than one will ever succeed in getting out of the same ground afterwards, till it how you may.

In 1899 I moved onto my present premises in May. The soil is a good light clay, one which does not pack much upon the surface; in fact, when it dries in the sun after a heavy rain one can rake up the crust anywhere with one's fingers. I was very short of fertilizer and could not spread more than two inches in depth of well-rotted horse manure over the three-fourths of an acre I put in for a trial ground. This was ploughed and harrowed and cross-harrowed, thoroughly mixing the soil with the fertilizer. Rows were marked out five feet apart and three inches deep. The seeds were dropped on May 4 and 5, three seeds together every six inches. They were then covered and pressed down with the feet. My reason for sowing three seeds in each place was to make sure that there should be no vacancies. When more than one plant came up together we endeavored to pull the others up, leaving one. We had some nice showers after sowing and nearly every seed grew, but the weather then became very hot and from the time the plants were about eighteen inches in height we did not have a drop of rain for two months. The result was that they started to flower almost immediately and did not grow much more in height, but such a mass of flowers I never saw before and the colors were simply perfect.

We had frequently found fault with Eckford's descriptions of his new varie-

PINK RAMBLER ONE YEAR OLD AS AN EASTER PLANT.

ties, as we never could get them to come quite up to his glowing descriptions, but this season we had to take it all back. If a man has such a soil as I have just described I do not think there is any better way of growing the sweet pea, only this season I shall put in a little more manure.

If you have poor soil, sand or heavy clay, I recommend the trench system. Dig a trench twelve inches deep and wide, have a compost mixed such as is used for the greenhouse benches, of rotted sod and old manure. If the manure is not very old do not use so much, but if it is thoroughly rotted you can make it half and half with safety. Fill your trench six inches deep with this, sow your seeds upon it and cover them with two inches of the same compost. After they are up an inch or two rake in some of the virgin soil of your garden, taking care not to cover the tops completely, and as they grow continue filling in the trench until level with the ground. Then with the feet press it firmly down, leaving a slight hollow all along the rows. This I believe to produce the best results. The seeds being deep, get stronger roots and will last and flower much later than those not so deep, and in dry weather the roots are kept cool and moist, which is what they require.

If you use a hose and the weather is dry, do not be too free with it; I have seen it advocated to pour water into the trenches and this is all very well if you have a gravelly subsoil and your drainage is perfect, but if not it will materially weaken your vines. During hot weather it is a good plan to lightly sprinkle the vines themselves every day or two after the sun is off them, or if you cannot wait till the sun goes down, it does very little harm, if any, to sprinkle them when it is on, but do not drench them, and always endeavor to cut your flowers first. The flowers should be cut in the afternoon, when fully expanded by the sun and placed in jars in cold water in a cold, dark cellar. They will partially close up during the night, but will come out stiff and sturdy in the morning ready for packing and will expand to their full extent as soon as they get into the light.

The perfume of the sweet pea is not lasting; there is very little left twenty-four hours after they are cut, and this is the best test of their freshness, as the stems and flowers will sometimes be quite stiff and look fresh for a number of days, although the colors begin to fade in a day or two.

I present a few extracts from my note book as to those varieties which have proved their superiority or vice versa in my trials, not noticing many of the older ones which are only valuable to the collector who desires to have "something of everything," and as evidence of the great advances which have been made:

Walker's Coronet.—This is an improved Coronet selected by S. T. Walker, of Oregon, with larger flowers than the ordinary strain.

Hutchins' Notched White.—This is certainly the most prolific of all the whites, and will suit the florists who prefer quantity to quality.

*Walker's Dawn.—An improved Grey Friar; a beautiful pea, with many double flowers.

Burpee's Wawona.—New striped heliotrope; a large and beautiful pea; varies in striping; some quite red stripes.

Burpee's Fashion.— Between reddish mauve and carmine; description correct; a fine flower.

Gorgeous. — Burpee's 1899 novelty; rich orange salmon, said to be an advance on Meteor; description correct but burns badly.

*Navy Blue.—Burpee's 1899 novelty; "a true blue;" this is without doubt the best blue; with me it was late in flowering, but it had long stems; the color was grand, and nearly all the flowers were three to the stem.

Burpee's Bush —This is of true bush form, but was not very sturdy; must wait further trials.

*Pink Friar.—Burpee's carmine rose on white ground; a grand flower.

Sadie Burpee.—The vitality of this, both black and white seeded, proved very poor with me; try again.

Triumph.—Eckford's 1898 novelty; a fine sturdy pea; Eckford's description correct; wings tinged pink, turning all pink with age.

*Stella Morse.—Burpee's; a fine sturdy pea, cream and blush pink; makes a beautiful bunch.

*Shahzada.—Eckford's 1898 novelty; a very much improved Stanley.

Sensation.—Burpee's flesh colored novelty; description correct; fine flower.

*Salopian.—Eckford's 1898 novelty; a very much improved Mars; larger flower and did not burn at all.

*Prima Donna.—This although not a new variety still holds its own as without doubt the best pink; large and commonly four on a stem.

Prince Edward of York.—Eckford's 1898 novelty; true to description; grand flower.

*Prince of Wales.—Eckford's 1898 novelty; standards rose, wings rose pink; a grand flower, description correct.

Princess of Wales.—An older but the best dark striped variety; a very large and fine flower.

*Mrs. Joseph Chamberlain.—Striped bright rose on white; still the finest of its color.

Mars.—Good, but burned badly; Salopian much better.

*Lady Nina Balfour.—Eckford's 1898 novelty; a great improvement on Countess of Radnor; larger, finer flower; beautiful color.

Countess of Powis.—Eckford's 1898 novelty; "an improved Meteor;" description correct but burns badly.

*Duke of Sutherland.—Eckford's 1898 novelty; "deep claret turning to deep indigo blue;" description correct; fine large flower.

*Golden Gleam.—The Sunset Seed Company's yellow; undoubtedly the best yellow to date.

*Lady Mary Currie.—Eckford's 1898 novelty; "a deep orange pink;" description correct; a grand pea; does not burn so badly as the other orange varieties.

Chancellor.—Eckford's 1898 novelty; he says "finest orange pink;" I find it a good color but not so large or fine as Lady Mary Currie.

Black Knight.—Eckford's 1898 novelty; deep maroon self; with me the growth was poor and substance light, but color fine.

*Burpee's Earliest of All.—An excellent very early Blanche Ferry.

Meteor.—Burns badly.

Mikado.—Sports considerably.

Katherine Tracy.—Fine, but not equal to Prima Donna.

Brilliant.—The brightest red; very floriferous.

Red Riding Hood.—An abortion; no good at all.

*Burpee's Pink Cupid.—This is undoubtedly the sturdiest of the Cupid peas; not a seed misses with me, and they made a beautiful border, full of bloom, lasting longer than any of the other peas; can strongly recommend this as a border plant.

I have marked those varieties with an * which have proved the best as cut flowers for commercial purposes in the city of Toronto, and will close this lengthy paper with an account of a very curious thing that happened to a friend of mine who is a fellow "sweet pea crank." He had grown a grand collection of sweet peas for exhibition and about a week before the exhibition the vines were loaded with magnificent flowers. One afternoon we had a heavy rain, with very violent thunder and lightning and within half an hour afterwards every plant was completely destroyed by mildew. S. P.

W. DERRY, N. H.—Mrs. M. E. Cullen has sold out her flower business and moved to Lowell.

CLIMBING MOSS ROSE CUMBERLAND BELLE AS AN EASTER POT PLANT ONE YEAR OLD.

Lemoine's New Gladioli.

The National Horticultural Society of France held a public exhibition of plants and flowers at Paris, September 14 and 15, 1899, and referring to cut spikes of gladioli, a correspondent of the journal of the society commented as follows:

Messrs. V. Lemoine & Son, of Nancy, were the only exhibitors for this class, but we may say that no one was ever afforded the opportunity of admiring a more perfect display of these iridaceous plants. The collection staged by these skillful hybridists, creators of the beautiful plants known as Gladiolus Lemoinei and G. Nanceianus, was very conspicuous on account of the beauty of the spikes, furnished from top to bottom with fully expanded flowers and shown in the most artistic style. The individual blooms were of unusual size and there was great diversity in the colors. A gold medal with the congratulations of the judges was awarded to Messrs. V. Lemoine & Son.

Among the older sorts of Gladiolus Lemoinei which were staged, were Deuil de Carnot, E. V. Hallock, Henriette Renan, M. Leveque, Cardinal, Comte Chotek, Marc Micheli, M. Jarry-Desloges, Princesse Altieri, Voie lactee, in all of which the colorings were diverse and gorgeous. Next in the bluish section, so much sought after in this kind of plant, were Micromegas, Senateur Volland, Rosa Bonheur, Baron Joseph Hulot, Pierre Loti, Stamboul, etc.

Of the newer varieties those especially noted were, Belle Alliance, medium sized flowers, of a pale lilac, the inferior lobes being of a dark violet color, with a large yellow spot in their center and a quantity of prune colored dots; Fulgurant, a beautiful flower, bright scarlet with a pale yellow throat; Mme. Judic, sulphur-yellow with purple blotches; Cronstadt, a magnificent variety with large, well expanded flowers, bluish lilac and violet, the lower segments being crimson with a violet edging; Ethiopie, a remarkable, very dark brownish violet color, almost black, with two or three inferior lobes entirely black.

The varieties of Gladiolus Nanceianus were not inferior to the above. Among the older ones were Charles de Varigny, Duthreuil de Rhins, Jean Dybowski, Sir Trevor Lawrence, Comte de Montebello, Antoinette Thiry, etc., and among those of more recent introduction were Edouard Andre, very large flowers of perfect form and nearly brown or a chocolate tint,

with maroon-brown dots on a white throat; James H. Veitch, with stately spikes furnished with large, erect, well expanded flowers of a clear red color with a straw yellow throat and purple spots.

To complete the collection the exhibitors staged some new varieties of the highest value, but not yet in the trade, such as Perle Rose (Syn. Louis Dalle), of a lovely pink, with large crimson blotches on the lower segments; No. 633 salmon with large, bright red blotches; Lieutendant Meynier (Nanceianus), cherry, the throat covered with white and purple dots; Francisque Sarcey, (Lemoinei), a round flower of a dark salmon shade with large, almost black spots; Jules Toussaint (Lemoinei), pale violet with plum-colored blotches; No. 672, bright rose, with white blotches and purple dots, Solfatare (Lemoinei), clear yellow with brown spots; Apotheose (Nanceianus), an immense bloom, magenta, spotted with white and striped with purple; Ocean (Lemoinei), a beautiful violet color with brown and white spots; No. 744, bright scarlet and large flowers; Lumineux (Lemoinei), sulphur yellow with two scarlet blotches on the lower segments, etc.

NEW VARIETIES OF GLADIOLUS LEMOINEI.

Some Thoughts on Hybridizing.

The production of high class seed is by no means the simple process that many imagine it. It means much more than simply to plant and harvest. Especially is this true of the attempt to create new varieties by combining the qualities of existing sorts. In this case many factors enter into the problem and help to determine the result, and the grower is really forced to widen his work, becoming a breeder as well.

Most persons would suppose that the intrinsic worth of any given seed would be determined entirely by the merit of the parent stock. Yet, unless taken with some qualification, nothing could be more misleading than this partial statement of a general truth. A better understanding of the laws of heredity, the transmission of traits and characteristics, and the various ancestral influences co-existent in the present, will lead to a more conditional statement. The knowledge gained by long experience, the skill and patience born of a real enthusiasm for the work, following the teachings of nature rather than antagonizing them, will often accomplish more with a second rate foundation stock than careless, indifferent and slipshod methods can ever attain with a far better equipment. Experience has frequently shown that, starting from the same point in animal, vegetable or floral lines of work, in the hands of one there will be deterioration, rapid and sure, while with another, progress and improvement will be the rule; in fact there are so many difficulties in the way, whether caused by lack of skill on the one side or by the constant tendency to degenerate on the other, that it is as much as the ordinary grower can do to preserve the standard attained by others, after it has been handed over to him, without being able to make any advancement. It is somewhat as in the formation of a mathematical series, or the building of a block tower. Only the right sequence will advance the work and secure what has already been done, while a false move is the ruin of all and necessitates a new beginning. The ability to discern between the right and the wrong courses may be gained by experience, perhaps, but it seems largely intuitive and is one of the things that mark the difference between the workman and the bungler.

Sometimes a very, very few years of intelligent manipulation of a parent stock and its progeny will result in the production of a really new form of the greatest value, which is in no sense of the word a "sport," or freak of nature, but rather the certain result of natural tendencies directed by intelligent purpose, as truly the creation of the grower as if hewn out of the marble with mallet and chisel. Unknown possibilities are hidden in the law of heredity. They are there for any and all who will seek to gain them and now and then some one learns to fit the golden key into the closed lock, and opens the door to hitherto unknown beauty and joy. I believe such results are entirely outside the domain of chance and fairly within that of law, as truly as the results that follow the operation of any other of nature's laws. A problem in arithmetic is certain to "come out right," as we used to say in school-boy days, if the work be correctly performed, but one false step, one mistake, one wrong figure, and the dunce block is not far away. Perhaps it is too much to use this as an illustration, for I must admit that we may never be able to understand the laws of heredity and transmission as we do those of the exact sciences, yet a comparison is obvious. The cases may not be identical but they are at least analogous.

The principles of breeding in the animal kingdom, at least, are fairly well understood. Of necessity those that obtain in the vegetable and floral world differ somewhat. The most noticeable of these differences can readily be traced to the fact that while but one mode of propagation is the rule in the animal world, in most genera of the plant world there are several. Some of these which do not require the combined influence of separate parental factors, as they are outside the sphere of sexuality, seem also free from much that is included in the code of heredity.

NEW VARIETIES OF GLADIOLUS NANCEIANUS.

Generally speaking, however, the variations that occur in propagation by the production of seed, requiring the co-operation of two pro-creative agents, with all the possibilities thus revealed, lie strictly within the province of heredity and the art of the hybridist.

Here he finds his vantage ground, the opportunity to interpose his own will as a directing force, into the operations of plant life which else seem entrusted to the care of chance, the waft of the wind that "blows where it listeth," or the freakish flight of the nectar seeking rover. These, indeed, serve nature's purpose in the propagation of the species, but very seldom serve man's in its improvement. Centuries of such aimless agencies would not accomplish what may be attained in a few seasons by the hand of the skilled hybridist directing the forces of nature to work out a definite end. It is true that sports do sometimes appear, as the result of the undirected work of the wind or the insects, but florists certainly no longer depend upon that source of supply for the new forms they desire. Life is too short, patience too scant, the need too keenly felt, and so one who longs for some new variety, or who has an ideal in his mind strives intelligently to create that form, to realize the ideal, and, granting that the object be obtainable and not Utopian, his success or failure depends very much on the extent to which he knows how to use his tools. Of these the most important is that great general law that "like produces like," but there also are many questions of adaptation, of combination, of antecedent influences, and other things that must be utilized in the light of experience already gained, or experiments yet to be made, and all that comprises individual ability, skill and insight enabling him to meet the complexities of the problem to be solved.

What nature does occasionally in the production of a sport or variation, the hybridist seeks to reduce to a constant method. Nature may, indeed, give us here and there a beautiful cascade, but these are fortuitous. One stream in a hundred may have its cascade, but artistic skill, following the hints given by nature, can make of every rippling brook a thing of beauty. The discovery of the part played by pollen in the perpetuation of species marks an epoch in the floral world, and though its full significance was not at first understood, nor was it realized what an open door was here set before the culturist, it is increasingly evident that of late years this new realm is being explored with enthusiasm, and many of our choicest floral treasures and agricultural species owe their existence to the art of the hybridist.

It may be true, as some say, that such art is contrary to nature. Certainly it is true that nature seems to take precautions against the general and indiscriminate commingling of species, and these precautions are so effective that a true natural hybrid is almost unknown. By this provision is secured that permanence of type that characterizes varieties, and makes them of use to man, and without it all distinction would soon be lost in the mongrelism that would follow. Still the botanist and florist know that there are just as express provisions in the economy of nature, for a limited cross-fertilization, and our wisdom is in following her lead. Darwin's long series of experiments establish the fact that increased vigor is an unfailing result of cross-breeding within the limits set by nature, and beyond these we cannot go. Many species are effectually guarded against close self-fertilization by persistent traits of the flowers. The gladiolus, with which my work lies, is one of these, being proterandrous, thus making it impossible for a flower to be fertilized naturally with its own pollen, and difficult even by artificial means.

The hybridist's sphere of work is limited, but quite sufficient to enable him to produce some gratifying results. He is in fact almost confined to cross-breeding between varieties, only in rare instances producing a real hybrid. A true hybrid, natural or artificial, is rare, most of those that are so called being cross-breeds. Possibly some may differ with me as to this, but I am satisfied that I speak in strict accord with botanical truth. Artificial pollenization is quite a different thing from hybridization, although the terms are popularly supposed to be synonymous. The mere manipulation is the same, but the subjects and results form a distinction as great as that between genus and species. But in whatever way we regard it, there can be no doubt that in the power to control the potencies that determine the character of the future plant we have a gift of greatest value to the floral world.

In a general way the work of the hybridist may be placed under two broad divisions, combination and concentration. At least, this is my view of it, and this is the governing principle on which my own work is based. In the production of new seedling gladioli from a foundation stock comprising the best attainable named sorts in many varieties, selected novelties and hybridized selected seedlings, I find my labor rewarded in a very gratifying way. I have grown many seedlings equal to the named sorts of recent introduction and superior to those of past years, and the average percentage of meritorious plants is much greater than in those grown from self-fertilized seed, even from selected flowers of equal value. Among my seedlings, for instance, bloomed this season an exquisite

double pink, that could be compared to nothing else so truly as to the double pink oleander, Nerium fl. pl. If this possesses fixity of type and can be grown in shades of color it will be a real acquisition.

In this work I carry on the two distinct lines referred to, first to combine by pollenization, often in reverse, the desirable qualities of varities entirely distinct, and sometimes directly antagonistic, the resultant progeny of this cross-breeding showing endless diversity in form, color, texture, habit, and sometimes the latent atavism stirred into action throws out strange types. The second method I adopt when I desire to fix, or if possible, accentuate the characteristics of specially desirable sorts, by fertilizing with pollen from the same plant, or another of the same variety. The first method is cross-breeding, the second in-breeding, each of the most pronounced type. Time will be needed to test all the methods employed, that they be judged by their results. This kind of work inevitably develops many experimental side lines, and each grower will have his own, which may or may not develop in a hobby. There can be no doubt, however, that the work of the hybridist is a most important one, and that the combined labor of many working to the same end will bring into being many new forms of beauty of the greatest interest and value to the floral world. WILBUR A. CHRISTY.

Herbaceous Plants in Bloom Indoors.

As is well known, any herbaceous plant which flowers early out of doors may be readily forced inside. Those who think such plants would sell should make note of the proper kinds as they flower outside in the spring, looking towards securing plants in autumn for next winter's work. The same must be said of these plants as of shrubs; it is only those which flower early in spring which should be chosen. The later bloomers are not satisfactory.

Recently when in a nursery establishment where herbaceous plants are grown inside in winter for propagating purposes, I saw in flower a pretty composite plant, Doronicum plantagineum excelsum, which struck me as a desirable pot plant for winter. The flowers are yellow, large, three to four inches in diameter, and from the time the first one opens to the close of the last, some six weeks elapses. There is a central flower on a stalk of about twelve inches, and then a few axillary ones, after the first is over, from lower down the stalk. Though perhaps not just the flower for design work they are very lasting in a vase of water, keeping fresh a week or more, or until the natural term of expansion is over.

There were also in bloom Iberis tenorianum, I. sempervirens and I. Gibraltarica. These are all white flowered indoors, but when outside the last named is a light pink. In fact, inside there is some lilac color in the flower. These candytufts are very pretty pot plants, I. sempervirens particularly so. The plants I saw were in 4-inch pots and it can with truth be said that hardly a vestige of foliage could be seen, so dense were the heads of flowers.

The common moss pink is also a good flowering herbaceous plant for inside. This is the Phlox subulata, the creeping phlox. Small plants quickly fill a 3-inch or 4-inch pot with their creeping shoots. Flowers are freely produced. There are three or more colors, pink, lilac, white, etc. This phlox has been recommended for planting on graves, for which purpose it is well suited.

In the same place I saw some pretty plants, full of their pretty rose colored flowers, an old time favorite of the greenhouse, Lopezia rosea. The plants had been struck in midsummer, planted out of doors, taken up and potted into 3-inch pots in the fall. A little pinching in had been practiced to make them symmetrical and the success had been good. These plants bloom all winter.

JOSEPH MEEHAN.

Delphinium Zalil.

This is one of the hardy herbaceous perennials which do not receive sufficient consideration. This is so much more to be regretted since it furnishes excellent material for long stemmed floral work. The color is a magnificent light sulphur yellow. The single flowers are about one inch in diameter, arranged in a long, loose cluster and open nearly all at the same time. For large vases this larkspur is particularly adaptable. The cut flowers will keep in water for a week — *Die Bindekunst.*

BRIDGEPORT, CONN.—The West End Floral Garden has removed from the Arcade to a fine store in Masonic Temple.

LIBERTY, MO.—Paul Stark reports business good all winter, and states that it was impossible for him to get all the cut flowers he could sell.

HOUSE OF LILIUM LONGIFLORUM AT LAWRENCE COTTER'S, DORCHESTER, MASS.

FLOWERS AND PLANTS AT FUNERALS AT THE HOUSE.

Flowers and Plants at Funerals.

The accompanying illustrations show an arrangement of plants for a funeral. The first arrangement was at the house. Under the center and foot of the casket are adiantum ferns from which Asparagus tenuissimus is trained, some sprays shading from green to light yellow. Nearer the head are ornamental grasses, white, yellow and green, with delicate plume-like flowers of lavender. The corner is built with nephrolepis ferns and two varieties of tree fern, alsophilas and cibotiums, with a large spray of eucalyptus, with its metalic gray-green enlivened with some choice sprays of stephanotis, which are cut and kept fresh by having the ends in bottles of water which are wired onto stems of the ferns and concealed from view. A banana about ten feet tall tops the whole. The lower side of the mantel shelf has pots of torenia in full bloom, small ferns and a few Primula obconica and a fine specimen auratum. On the cover of the casket was a cross of pansies.

The second illustration shows the church made ready for the obsequies. In front of the chancel was a mound of ferns made large enough to hide the truck on which the casket is pushed in and out of the church. At the left kentias rise fifteen feet high and droop over where the head of the casket would be. The palms rested upon adjustable iron stands. The opposite side, in place of being made to correspond, was of bamboos, quite light and feathery. The lower part was covered by pots of yellow elderberry plants; on either side were large palms, some arecas twelve feet high, raised to make them eighteen feet with latanias at the base to cover the stands. C. B. W.

Chrysanthemum Notes.

Our plants intended for specimens are showing many flowering buds. If we have any choice we discard these, but as often happens, many of them are needful varieties, and we must persevere. John Shrimpton is very liable to go to bloom prematurely; but though it retards the growing season, the plants usually come out of it and make good specimens. I am at a loss to account for these freaks, and first noticed them in Viviand-Morel. Plants intended for twelve-inch pots should now be in sevens, and those for tens in sixes, to be ready for the final shift early in May. It is essential above all things that the pots be sweet and clean. If new, some means must be found for driving out the kiln gases. A good soaking, or exposure to a rain storm will do this perfectly, and some go so far as to fill the pots with moist earth, emptying them before using. And there should be three good-sized drainage holes in the large pots, and sizes even as low as nines are better for three holes than one. With a crock over each hole, and charcoal for the rest of the drainage, we should guard against souring of the soil, and secure healthy root action.

Chrysanthemums are not particular in the matter of soil, so long as it is fresh and fairly rich. It is so much the better if it has a body of fiber in it. Lime seems to be an essential in the building up of sturdy growth, and we contrive to give it in the form of bone meal, which adds phosphates at the same time. We pot firmly if the soil be light, and lightly if heavy. Plenty of room, say an inch and a half is allowed for watering, as well as a top-dressing later. A good soaking is given, and then they are left to dry out, taking probably four to five days, afterwards watering sparingly until the roots are well developed.

Since sending my opinion on Mr. Gallagher's sport of W. H. Chadwick, which appeared in the AMERICAN FLORIST of March 17, I have had a side stem of the latter variety bloom, and it is perfectly reflexed. It seems to me it might happen to some varieties when the shoots have been injured, and which afterwards develop late side buds. I have also had a letter from Alfred Wingett, gardener to Chas. Lanier, of Lenox, Mass., who states that he had a plant of John Shrimpton (crimson reflexed) among a batch, all taken from one and his only stock plant, which came perfectly incurved. He adds that it is impossible he could have made a mistake, as he had nothing like this sport, and there is nothing known to him in cultivation like it. T. D. HATFIELD.

Forcing Carnations for Easter.

With only two weeks until Easter we shall have to offer our plants every inducement in order to get a good crop of flowers, particularly if the weather is unfavorable. Many growers will give liquid manure and perhaps this, for two weeks' results, is as good as anything that can be used. I shall apply a light coat of bone meal and work it into the soil pretty well and then water heavily, but this is simply another form of liquid manure, and a little easier applied where one has not facilities for carrying it through the water pipes.

If the buds are slow in developing the houses can be kept pretty warm on bright days, but let it be the natural heat of the sun, not fire heat, and keep watch of the plants to see that they do not suffer in any way or your crop will be only a little larger at the great expense of the quality, and it is far better to have 500 good flowers than 1,000 that are poor. As soon as you see the stems beginning to weaken through the forcing process, stop it at once; let the plants get moderately dry and give lots of ventilation until you get them back to their normal condition.

FLOWERS AND PLANTS AT FUNERALS—AT THE CHURCH.

If you happen to have moderate weather, do not let that be a temptation to stop firing, as if you want to let your plants have the benefit of the sun heat during the day you will also have to keep your night temperature up in proportion. You must have at least 55° at night or the difference between night and day temperature will bring you a crop of split calyxes.

Carnations are water loving plants, but sometimes with a good crop of buds set and no promise of getting them in at the time wanted, a little moderation in watering will tend to push them into development. If the plants are growing extra strong and taking the strength from the buds, as sometimes happens at this season, and especially with solid beds, they can be checked and the buds brought in by taking a sickle, hoe or any other appliance that will go into the soil from three to four inches, and running it through the rows several times so as to cut some of the roots. This has a tendency to check the strong growth of the plant, make it set buds and to hasten the blooming of those already on the plants. In some soils and under some treatments this might not work as well as it does with me, so that I would recommend trying a small portion of a bench or bed with this root pruning act and noting the results for another season's use. This would not do during the winter when the whole season is before us and the plants are wanted for the double duty of producing flowers and cuttings. ALBERT M. HERR.

Dendrobium Phalaenopsis Schroederianum.

It is evident from the enormous quantity of orchid flowers placed upon the market during the past year that they are rapidly taking a prominent position for all kinds of decorative work. The growers are beginning to appreciate the fact that, with roses, carnations, violets or palms, they will find a ready sale for orchids if they will only grow them in quantity. There are many varieties of orchids well adapted for cutting purposes but, unfortunately, they cannot be procured in such quantities as to enable the grower to profitably invest in them.

When Dendrobium Phalænopsis var. Schrœderianum was first introduced, imported plants arrived by the thousands from the tropics and annually large consignments have been sent to Europe to satisfy the demand that its popularity has created. Many enterprising nurserymen, seeing its commercial value, quickly secured a stock and entire houses are now devoted to its culture.

At Carlton Hill, New Jersey, Mr. Roehrs has a structure 100 feet long well filled with some thousands of this orchid and when in full bloom it is a sight unequalled anywhere in the country. In several other establishments it is grown in quantity solely for cutting purposes.

A nurseryman in England has 10,000 plants in one house and where such a number are grown flowers can be had from autumn until late in the winter. Very few dendrobiums have such long stems as this variety and it is not always policy to sacrifice the bulbs with the flowers of any dendrobe, unless the stock can be replenished without a heavy outlay.

Many native flower spikes were shown when this orchid was first placed on the market; as many as thirty-two blossoms had been produced on some of them, and we are fast approaching that number under cultivation. Their coloring is very varied and ranges from the purest white to dark vinous purple.

This variety is of easy culture, delights in a small pan or pot, with a hot, moist atmosphere during growth, which occurs during the summer months, with abundance of air and a slight protection from the sun. After flowering give them three months rest in a very cool situation with very little moisture, only enough to keep them from shriveling too much. A very limited quantity of compost is necessary, the roots much preferring to ramble in the air provided the atmospheric conditions are conducive to their welfare.

A. DIMMOCK.

Helpful Reminders.

All covering for the winter protection of outside plants should now be removed. Do what you can to open the soil for root action. Where ice has formed over the surface of the ground, remove it as speedily as possible, particularly where it is over the roots of plants which have tops exposed to the atmosphere and which will be induced to develop buds before the roots are prepared to co-operate. For this reason the straw that has been thatched over some clematises, honeysuckles, roses, etc., had better be left to protect them from the influence of the sun until the ground is open. Dryness of the subsoil must be guarded against, particularly with bulb beds, where they get full sun along southern shelter of buildings, fences or shrubbery. Put on a light covering of dry leaves or hay to husband up the moisture until a copious April shower arrives. Many good bulb beds are damaged by four or five days' neglect under such conditions and your bulb merchant gets the blame.

If you have a shrub that grows misshapen and tall where you wish it to be more symmetrical, like a Spiræa Van Houttei, take it up and plant a spiræa in its place; do not keep continually hacking at the poor substitute. If you want healthy boughs full of bloom, do not cut off the best flower buds by heading it in all over, as is so commonly done. Most of our flowering shrubbery formed its flower buds last autumn and the best of these are as a rule near the ends of branches and no more will be formed until next autumn, so do not cut the best of them off now. Take off weak or unnecessary branches with a sharp tool; this should be carefully but moderately done each season. The few shrubs which form their flowers on wood made this season may be headed in without the loss of flowers, but do not head in without a good reason.

Spread loam lightly on your lawn, sufficient to fill in the little holes and cover the young side shoots of grass. Roll it to put in smooth condition, first raking in some grass seed in places where the turf has become damaged, and allow it to make a good, strong growth before using the mower. It is then in better shape to stand summer and mowing can be continued weekly thereafter.

You may be asked to take down a large vine from the porch or side of a house to enable painters to work. Do not take it down but put in two or more scantlings three feet or so from the house; loosen the vine and fasten it to the scantlings. This will give the painters room to work without injuring the vine in the least. C. B. W.

New York.

GARDENERS' SOCIETY MEETS AT THE PRESS CLUB.—SOME GOOD EXHIBITS REWARDED.—THE DAHLIA SOCIETY HOLDS A MEETING.—CONVENTION MATTERS PROGRESSING.—FINE PRIZE FOR THE BOWLERS.—STATE OF BUSINESS.—PERSONAL MENTION.

The quarterly meeting of the New York Gardeners' Society took place at the Press Club rooms on West Twenty-sixth street on Tuesday evening, March 27, and there was a very attractive carnation show in connection therewith. The opening of the rose society's show at the Eden Musée on the same day helped to bring a goodly number to the meeting, which was very well attended. The principal competition was for the cup offered by C. W. Ward, it being won by Mr. Duckham with a fine collection of standard varieties, Wm. Russell being a very close second. Certificates were given to E. Banyard & Son for Petunia

DENDROBIUM PHALÆNOPSIS SCHRŒDERIANUM.

Pink Perfection, to Dailledouze Bros. for No. 666, to C. W. Ward for Gov. Roosevelt, to Lehnig & Winnifield for a white seedling, to H. Weber & Son for No. 126, dark crimson; for No. 110, white; for Genevieve Lord and for No. 40, pink. They were also given honorable mention for No. 30 and honorable mention was awarded to H.F. Michell for Mrs. Bertram Lippincott. Geo. H. Hay won a copy of Scott's Manual and a book presented by the A. T. De la Mare Printing and Publishing Co. The meeting was held in the rooms down stairs, where a light lunch and social intercourse were enjoyed previously and some very complimentary remarks were made by a number of visitors. The meeting was devoted chiefly to a discussion of the part to be taken in the horticultural exhibition at the time of the S. A. F. convention and considerable enthusiasm was developed.

The American Dahlia Society met at the rooms of the American Institute on March 26. There were present Messrs. H. F. Burt, Taunton, Mass.; M. Higgins, E. Bridgewater, Mass.; Rev. Mr. Hutchins, Springfield, Mass.; Rev. C. W. Bolton, Pelham; E. S. Brown, Jersey City; H. Miller, Brooklyn; S. Henshaw, J. W. Withers and Dr. Hexamer, New York. None of the officers being in evidence, Mr. Henshaw took the chair and Mr. Withers was made secretary. L. K. Peacock sent in his resignation as secretary. After some discussion of a general nature it was resolved to endorse the arrangements being made for an exhibition at Springfield, Mass., the coming fall.

The general committee on ways and means of the New York Florists' Club met at the club rooms on Monday night. There was a very full attendance and reports of sub-committees showed gratifying progress being made in all departments. The committee on sports brought news of the offer of a $100 prize cup for the bowling tournament, offered by Lord & Burnham.

Business in general is rather under the average and flower prices are down on all lines excepting carnations, which, being still short in crop, hold up with a bold front. Easter preparations are going on and prospects are for the biggest business ever experienced if the weather should be favorable.

Chas. Thorley has just returned from a two weeks' sojourn at the Hot Springs in Virginia.

John Weir's coat sleeve shows signs of severe wear, said to be attributable to incessant checker playing while waiting for special bargains in roses.

James Hart, the original commission man, now goes home regularly on the bankers' train.

Mrs. De Forrest, Mrs. A. T. Boddington's mother, died of pneumonia last Sunday.

The redoubtable Jaggs is in town.

Philadelphia.

STATE OF THE MARKET.—UNCERTAINTY REGARDING EASTER LILIES. — QUAKER CITY ROSES SWEEP THE BOARDS AT NEW YORK.—PHILADELPHIA GROWERS IN A POSITION TO QUOTE CÆSAR.—VISITED THE ROSE SHOW AND CAPTURED THE BEST PRIZES.—BALL REBUILDING.

Lent is slipping away nicely. There is no serious overplus of flowers, as the demand is sufficient to use up, or at least almost keep pace with the supply. Prices are about the same as last week, a trifle softer perhaps in Brides and Bridesmaids and special Beauties, but stationary as to the other kinks of stock. The condition of the Easter stock is beginning to cause some apprehension on the part of the lily growers, some of whom thought a couple of weeks ago they were on "easy street" are now afraid they are away off that thoroughfare and are thinking that many of the lilies will not make the fateful Saturday. It is astonishing how little is known positively, even by experienced growers, about the flowering schedule of lilies. They are sure at first, then doubt sets in, followed by the annual hustle, with no certainty until the final day arrives. I think it is safe to say that there will be at least twenty-five per cent more lilies about this year than last. The price, as far as can be learned, promises to range from 10 cents to 12 cents per flower and bud. Some are hoping for 15 cents, but the wish is father to the hope and it will take very fancy stock to bring such a figure. Other stock will figure about the same as last year.

Quite a contingent of Philadelphians visited the rose show in New York last Tuesday. Some carried flowers which were entered for prizes and were, we believe, glad they took the trouble, as they took almost everything in sight. Think of slow Philadelphia capturing the first prize and also the second for the best twenty-five Beauties in a competition with some twelve or more of the best growers for the New York market! Myers & Samtman and Joseph Heacock were the winners in the order named. Mr. Heacock also received first for best fifty Beauties and second for twenty-five Bridesmaids and the same for twenty-five Brides. Hurrah for this city and her good growers who were not afraid to take their coals to New Castle! Then the two new imported roses certificated were Queen of Edgely and Robert Scott, both of this city. Queen of Edgely, the Floral Exchange's new pink Beauty is a dandy and is pronounced by good judges to be a winner. It is a sport from Beauty, with every good quality of flower and foliage of its parent, while in color it is almost a Bridesmaid pink. It will certainly make a place for itself. The other new one, Robert Scott, is a fine large hybrid tea after the order of Her Majesty, the full open flowers calling this variety to mind. As it is an ever-bloomer it should also be heard from in the near future.

Benjamin Dorrance, president of the American Rose Society, has consented to give an address on the subject of "Roses: Familiar Notes and Suggestions for Progress and Improvement," on April 2, before the Florists' Club of Philadelphia. The subject is a timely one and will excite keen interest among lovers of the rose and all florists are, of course, in that category.

Chas. D. Ball is making extensive alterations to his greenhouse plant, having torn down a number of small houses, and is erecting on the same space some of the strictly up-to-date kind, with iron gutters and other modern appliances.

J. G. Eisele, of Dreer's, remarked the other day that he was sorry that iron gutters were not introduced when their recent new ranges were built, as he believes with this addition they would have added many years to their usefulness. K.

MENTOR, O.—H. P. Winter, who was formerly in the seed business at Glenville and who has for a year been working in the Cleveland parks, has taken the position of gardener to H. A. Garfield.

Boston.

GOOD BUSINESS.—CARNATIONS STRONG BUT ROSES DROOPING —PLANT GROWERS ARE ACTIVE.—GOOD LILIES.—VISITORS TO THE ROSE SHOW. — HORTICULTURAL CLUB DINNER AND OTHER NEWS NOTES.

A fair flower trade, with carnations retaining the important position noted last week, roses dropping in value and violets still overstocked, is the condition prevailing this week in the wholesale markets. The plant growers are in town every day now, shaking hands with the retailers and the latter are making frequent trips to the plant establishments, cementing friendships and exchanging cigars. Easter lilies, as a rule, are splendid with all the growers in this neighborhood; azaleas are somewhat mixed, many inferior lots being seen and the man with first-class specimens need have no fears for the Easter outlook.

Messrs. Wood, Welch and Mathison departed on Monday for the rose society's exhibition at New York. As per time-honored custom they were taken in hand twenty-four hours in advance by the local members of the Old Guard and given preparatory treatment, being accompanied to the train by a distinguished delegation.

The Horticultural Club dined at the United States Hotel on Thursday evening, March 22. The guests were A. C. Saportas and W. R. Phillips, New York; G. B. Pierce, Wm. Anderson and Alex. Ogg.

R. H. Dunbar, of the Bristol Rose Houses, is sending some blooms of a very fine white seedling carnation to Geo. A. Sutherland.

N. F. McCarthy returned from Holland on March 20. His auction sales will begin on April 20.

The committee of the legislature has reported leave to withdraw on the petition to make the mayflower the state emblem.

J. T. Pettigrew has been ill with pneumonia and Judge Hoitt with grippe. Both are convalescing.

Ed. Welch is celebrating the birth of another fine daughter.

Fire did a damage of $500 to the carnation houses of Paul Richwagen, at Woburn, on March 23.

Visitors in town: Chas. Lechner, New York, and H. A. Siebrecht, Jr., New Rochelle, N. Y.

Chicago.

PRONOUNCED SHORTAGE OF CARNATIONS — ROSES PLENTIFUL BUT TRADE VERY GOOD.—PROSPECTS FOR A BIG EASTER AND ONLY FAIR SUPPLIES OF STOCK.—DISEASE AMONG THE HARRISII.—VIOLET PROFITS.—AT WITTBOLD'S.—HAUSWIRTH TO MOVE.—LIBERTY LOOKS WELL.—MONINGER INCREASES CAPITAL.—VARIOUS ITEMS OF INTEREST.

The scarcity of carnations has been very pronounced this week, the supply not being sufficient to meet all demands even at the prevailing high prices. Growers state that it is now too late to get in a crop for Easter although most of them have a big cut in sight and are making every effort to coax the buds to open. Of Beauties there is now a plenty. Bassett & Washburn state that they never before had so heavy a crop as is now on and a similar condition prevails with most of the other large growers; the qualities could hardly be better. However heavy the cut, the demand is its equal and everything moves, although at very reasonable rates. Of tea roses

there has been something of an accumulation in certain quarters this week and some very fair stock has passed into fakirs' hands. Violets are in better form and bulbous stock is doing fairly well.

The prospects for Easter now are that there will be an adequate supply of lilies and roses enough to meet the demand were it not for the shortage of carnations, which will cause many buyers to use something else, probably roses. There will be more or less bulbous stock, but no very large lots. Easter invariably brings greatly increased needs, so that it is probable that every blossom will be in demand and prudent buyers are placing orders early. This Easter presents an unusual condition in that prices as at present quoted show only an occasional advance over the rates which have prevailed for previous weeks, in fact almost all winter.

John Poehlmann states that they have lost a larger proportion than usual of their Harrisii lilies this year, no less than sixty-five per cent of the bulbs having been diseased. Nevertheless they expect to have a good crop for Easter. They also report that Paper White narcissi have not done well this season, one-fourth the bulbs coming blind.

Mr. Van Aken, of Coldwater, Mich., has been in town this week. His firm is shipping in good violets and he states that, contrary to general belief, Lady Campbell is the most profitable sort. He says he grows it at half the cost of the other varieties and the price seldom goes that low, relatively.

The George Wittbold Company has had a big season and is completely sold out of most of the ordinary commercial sizes. They have some splendid stock, Boston ferns, kentias and latanias, coming on and have also placed an order with C. Petrick, Ghent, Belgium, through August Rhotert, for a lot of kentias which they figure will cost $7,000 laid down in Chicago.

The Kroeschell Bros. Co. has won out in its labor troubles. The strikers tied them up for many weeks last fall but they now have everything in good shape and promise to fill all orders promptly, something impossible during the continuance of the strike.

Phil Hauswirth will move next week from his old location at the Auditorium, Wabash avenue and Congress street, to the Auditorium Annex, Michigan avenue.

Bassett & Washburn have 4,000 plants of Liberty rose, all grafted, nicely potted up and Mr. Bassett says they are the finest lot of rose plants he ever saw.

The John C. Moninger Company has increased its capital stock from $10,000 to $25,000 and has so amended its charter as to legally qualify it to build iron as well as cypress greenhouses.

The Central Floral Company has a good order from the Chicago Athletic Club for each Wednesday, ladies' night. This week they used 600 Beauties.

The father of J. V. Merrion met an accidental death on March 22. The son has the sympathy of every one in an acquaintanceship which extends throughout the trade.

O. P. Bassett and Mrs. Bassett are at West Baden for an outing, following the example of Mr. and Mrs. Washburn.

During the last five days of last week Peter Reinberg cut 16,000 carnations and A. C. Spencer sold them at an average of 2.45 cents each.

Sam Pierce is preparing to add three houses to his range. He has as fine lilies as will be seen in the market this Easter.

Use the telegraph code for your Easter order; it will save you money and make everything plain to the wholesaler.

George M. Geraghty, formerly of Daniels & Fisher, Denver, was in town this week.

T. J. Corbrey has decided not to go to California this spring. Business has been quite brisk with him recently.

J. S. Wilson, of Vaughan's Greenhouses, Western Springs, is rejoicing in the addition to his family of a bouncing boy.

A. Lange went to New York this week to take in the rose show.

S. S. Skidelsky has been in town this week

A. L. Randall has been ill this week.

St. Louis.

SPRING WEATHER MAKES STOCK MORE PLENTIFUL.—A SURPLUS OF LOW GRADES.—SOUTHERN FLOWERS FOR FAKIRS.—NOTES.

The spring-like weather which has prevailed all the week has brought stock on with a rush, especially roses. There is a surplus of common stock and just about enough fancy to supply the demand. There is still an overstock of Meteors. Short-stemmed Beauties are coming in more plentifully while good long-stemmed ones are still scarce. Carnations are more plentiful than last report, although there is no waste in that line and no job lots to be had. There has been a rush of southern violets and jonquils, which are generally sold to the street fakir for what they will bring. They are sold on the streets for 5 cents a dozen for the jonquils and two bunches of violets for 5 cents. A good many of the department stores are having their spring openings and are giving away cut flowers to each person who visits their establishments. This creates a demand for the common stock as they always look to buy at a low figure.

Ostertag Bros. have a decoration for the opening of a large millinery store in which they are to put up a large hat filled with spring flowers and a ball to be opened, which will let out a pair of white pigeons, as the doors of the store are thrown open to the public.

Alex. Seigel has moved from 716 Olive street to Sixth and Washington avenue. He reports a good business in his new quarters.

Visitors in town: Walter Mott, Philadelphia; Chas. S. Ford, New York; C. L. Brunson, Paducah, Ky. J. M. H.

Detroit.

PROSPECT OF A SHORTAGE OF PLANTS FOR EASTER.—CUT FLOWERS ENOUGH EXCEPT OF BEAUTIES.—A VISIT TO TAPLIN'S.—BEARDS ARE GROWING.—VISITORS.

As Easter approaches both grower and dealer are deeply concerned in the prospective amount and variety of plants available for that most important occasion. From all directions we hear the report of a decided shortage of Easter lilies. Only a small number of Harrisii were planted last summer and the diseased condition of the bulbs is now painfully apparent, so that it is safe to say that very few will be planted here next season, as all growers are more than ever discouraged and disappointed with their repeated failures with them. Longiflorums show a vigorous, healthy, but short growth with but few buds and several plants put into bulb pans or azalea pots will be necessary to make effective plants. None of the bulbous stock will be too plentiful. The local growers remembered the poor results from the over-supply and unavoidable low prices of last spring and this coupled with the advanced prices of the bulbs, deterred many from planting even the usual amount. Of azaleas, genistas, spiræas, etc., a fairly good supply is in sight and the supply of cut flowers of most kinds will be sufficient for the local demand, except, perhaps, for Beauties, but hybrids will be largely substituted and, when fine, are usually preferred to Beauties. Lent has so far had no appreciable effect upon the retail trade. While there have been no social functions of importance, there has been an extraordinary amount of funeral work, which has easily used up all the flowers the local growers could supply.

Fifteen members of the Florists' Club accepted Mr. Taplin's invitation to visit his place on March 28. His stock of azaleas is surely grand, many of the specimens being in full bloom. They were all grown by himself and trained in pyramidal, standard and bush form. He is justly proud of the results of the time he spent upon them for many years. Mr. Taplin is noted as a successful orchid grower and a splendid lot of Cœlogyne cristata in full bloom was one of the sights he treated us to. His patent boiler was closely inspected and seemed to be doing wonderful work with clay mixed with coal screenings for fuel. Miss Taplin, ever pleasant, served a fine lunch to her visitors, who keenly relished it and promised themselves an early return.

Beard Bros. have purchased the seven greenhouses of C. H. Michell, on Grosse Isle. They are moving them to their establishment on Fort street and will use them for carnations and general stock.

Recent visitors: A. Fetters, Cleveland; A. T. Boddington, New York; Wm. Hagemann, of Hagemann & Meyer, and their representative, A. L. Vaughan, and several Hollanders. J. F. S.

Buffalo.

STATE OF THE MARKET.—PREPARATIONS FOR EASTER.—THE CLUB ELECTION—SPASMODIC INTEREST.

Trade has been about the same as last week, funeral work being all that amounts to anything. Roses are plentiful but carnations are not in over-supply. Violets are cheap and bulbous stock is to be had in large quantities. Some good mignonette is coming in now.

Palmer's window is fine now and Rebstock has a fine genista on exhibition. Everyone is busy cleaning up and making ready for Easter.

The Buffalo Florists' Club will elect officers at its next meeting. It seems that the only interest shown in the club is at election and the banquet, excepting by the few. It should not be so, but it is.

W. A.

Toronto.

CERTIFICATES AWARDED AT THE RECENT CARNATION SHOW.—TRADE EXCELLENT.—BUILDERS GO TO NEW YORK.

The Toronto Gardeners' and Florists' Association has awarded certificates of merit for the following carnations: To Miller & Son, Bracondale, for Lady Van Horne and Lady Minto; to F. Dorner & Sons Co., Lafayette, Ind., for Morning Glory; to J. N. May, Summit, N. J., for Olympia; to A. M. Herr, Lancaster, Pa., for Ethel Crocker; to Peter Fisher, Ellis, Mass., for Mrs. Lawson; to R. Witterstaetter, Sedamsville, O., for Estelle and

Enquirer; to L. E. Marquisee, Syracuse, N. Y., for The Marquis; to H. Weber & Sons, Oakland, Md., for Genevieve Lord; to E. G. Hill & Co., for J. Whitcomb Riley.

The society has also given cultural certificates for extra fine flowers shown at the exhibition of March 8 to F. Dorner & Sons for White Cloud, G. H. Crane and Mrs. Bradt; to The Cottage Gardens, Queens, L. I., for Gen Maceo and Gen. Gomez; to J. H. Dunlop, Toronto, for Mrs. G. M. Bradt, Gen. Gomez, Mrs. Joost and Glacier.

Lent, which is now nearly over, has made no material difference in trade, which has been excellent, with a plentiful supply of seasonable blooms. The market has been somewhat overstocked with violets.

Messrs. Dale, of Brampton, and Dunlop, of Toronto, have ordered large quantites, of glass, a symptom of extensive building operations to commence shortly. Messrs. Dale, Dunlop and Chas. Tidy have gone to New York to be present at the rose show. S. P.

Milwaukee.

TRADE CONTINUES BRISK.—EASTER PERPLEXITIES AFFORD LITTLE CONCERN.—A SCHOOL GARDEN.—NOTES.

The outlook for Easter is perplexing, but while business remains good we can afford to allow things to take their course. Good stock does not appear to be accumulating, except violets. Roses are now plentiful enough to meet demand, but carnations are very scarce. The dull season commonly looked for during Lent has not made its appearance. Some special offers of Easter stock at prices lower for today are not tempting Milwaukee florists into placing contracts, although it is felt that such stock as will be needed will be scarce and quite as expensive as at any previous Easter. Thompson & Son are bringing in some pretty flowering plants. A. Billings is the only one of the local growers who has longiflorums in any quanity. H. Stappe's Bridesmaids are extra fine.

A number of ladies who have organized a social settlement in this city have determined to conduct a school garden in connection with it. It seems strange that florists will speak so much about cultivating the taste for flowers without lending their influence to cultivate an ability to gratify that taste. Nevertheless the only organized effort on the part of our florists is in the line of bowling.

Quite a number of growers here have taken to speculation; that is they have put quite a number of dollars on the new things offered this year.

Mr. and Mrs. H. B. Beatty, of Oil City, Pa., and Mr. and Mrs. J. C. Vaughan, of Chicago, were visitors this week. C. B. W.

Cleveland.

A SATISFACTORY WINTER.—SUPPLY HAS AT NO TIME EXCEEDED DEMAND.—PROSPECTS FOR EASTER.

The writer cannot recall a season when business has maintained so steady and satisfactory a relation to the supply of stock. In fact, for a considerable part of the winter good stock has been quite scarce, and even now, with Lent far through, flowers are not wasting to any considerable extent. Quite a large proportion of this condition may fairly be credited to general prosperity, no doubt, but it seems fair to assume that the well cleaned up condition of affairs at this time, is due to a considerable extent to the wisdom, arising from dear bought experience, relative to moderation in the purchase of Dutch bulbs for forcing. A large and steady demand for all grades of funeral work just now helps to keep down the Lenten surplus.

For Easter everybody expects to have a good trade, this judgment being based on the business of the season so far. To meet the demand there will probably be the usual lines of stock offered. It would not, however, be surprising were lilies to be decidedly scarce. A large part of the Harrisii stock has been used up, or is showing up worthless from disease. There will, of course, be a good many longiflorums on the market, but it is doubtful if they will be sufficient to make up the difference.

Prices, both wholesale and retail, have not varied materially for some time, and, failing unusually bright, warm weather and a quite unexpected falling off in business, will probably hold their own now until Easter. A.

Cincinnati.

THE WEEK STARTED WELL.—MUCH GOOD FUNERAL WORK.—A FINE GENISTA.—A FRAGRANT CARNATION.—NOTES.

The latter part of last week trade was pretty quiet, though Saturday showed a slight improvement. This week started with a very lively demand and stock was well cleaned up at the commission houses. The floral decorations at the obsequies of the late Rabbi Isaac M. Wise, this week, were exceedingly beautiful. One large crescent, arranged loosely and gracefully with cattleyas, the ground work being galax leaves tied with purple ribbon, was made by Julius Peterson. J. Baer, Critchell and Sunderbruch's Sons, all had a goodly share of work.

Peterson has on view in his window a magnificent specimen genista. The plant is about five feet through and as it is tipped towards the front every flower is in sight, making a splendid display.

A visit to Fred Walz recently found him busy among his carnations. He has several seedlings of merit, and among them is a bright scarlet, which in fragrance excells any of the recent introductions.

Julius Baer has been receiving congratulations upon the arrival of J. Baer, Jr.

Harrisii lilies are coming in slowly and will not be plentiful for Easter.

H. SCHWARZ.

Peoria, Ill.

There has been a lack of social events to make business for some weeks past but much funeral work has been required. The outlook for Easter is good and there will be a considerable variety of stock with which to meet the call.

As soon as spring opens J. C. Murray will erect three new houses, two for roses, each 25x100, and a plant house 15x65. He has recently received a consignment of grafted Bride and Bridesmaid plants from the east. He will also grow Liberty. Mr. Murray has had a good trade all winter, in no small part due to excellent local advertising.

Cole Bros. will have a fine lot of longiflorums and spiræas for Easter.

PEORIAN.

NORTH EASTON, MASS.—Chas. Maynard has resigned as head gardener for Mrs. F. L. Ames and has been succeeded by W. N. Craig, formerly of Taunton.

Pittsburg.

STATE OF TRADE AND THE MARKET.—CHANCES FOR EASTER.—FEWER BULBS FORCED.—A SMOKER AND VARIOUS NOTES.

There is no apparent change in trade. Stock is all that can be desired as regards quantity and quality. Roses, perhaps, are a little scarce at times but better weather can soon be expected, which will produce more satisfactory results. Carnations still hold up in price; good ones easily bring from 75 cents per dozen up, at retail, and their keeping quality is much improved. It is a little early yet to judge what the Easter season will bring forth but many of the dealers are looking for an unusually good trade. Some of the growers seem to think bulbous stock will not be so abundant as it has been for several seasons past. This is quite probable, as many of the smaller growers who make a practice of forcing large quantities of this stock for the Easter trade, are not growing nearly so much as ordinarily.

The "smoker" held by the Florists' Club on March 22 at the rooms of the Pittsburg Cut Flower Co., was in every respect a success. Many were in attendance and card playing, games, refreshments and a general good time prevailed.

At the greenhouses of Randolph & McClements can be seen as fine a lot of azaleas, numbering 200, as has ever been shown here. G. O.

Malden, Mass.

I had the pleasure of seeing two of J. W. Foote's seedling carnations the other day, a large white and a pink sort. They are excellent.

I am told that Peter Ball will move his establishment to Lexington the coming summer. This is due, in a measure, to buildings being erected close to his range and partly shading him.

E. D. Kaulback & Son are having a fine trade at their downtown store and have things in good shape at the houses. They will add more glass this year.

John Walsh has a fine store in town, with houses at Melrose Highlands. He is well known as the manager of the Boston flower market, and has a smile and kind word for everybody. TAP.

Little Rock, Ark.

J. W. Vestal & Son are doing a big business shipping small greenhouse plants. They mailed a large edition of their catalogue through the southern states and are now reaping the benefits of printers' ink.

The weather for the last ten days has been good for business and every florist is now busy filling orders for plants for bedding out.

Frank Vestal, at Baring Cross, has filled many orders for ornamental nursery stock. His shipping season has closed and he is now beginning to line small stock out in the nursery.

MANKATO, MINN.—L. Lorenz wishes it understood that he is the sole owner of the business at State and Marshall streets, Mr. Pateler having retired some months since.

ALBANY, N. Y.—The well known firm of Goldring Bros. has been dissolved. Samuel Goldring will continue the store on Pearl street and Frederick Goldring will engage in wholesale growing with the greenhouses at Slingerlands.

THE AMERICAN FLORIST

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Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

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INQUIRIES are give no attention when sent without the correct name and address of the writer.

DESPITE the present diseased and weakened condition of Bermuda lily bulbs, the growers of that island appear determined to invite disaster by robbing the plants of their flowers and foliage to flood our Easter markets with them through brokers.

CYPRESS is twelve per cent above last year's price, and extra lengths show a still greater rise.

DELIVERIES of greenhouse glass are now going forward but there is no change in market conditions.

THERE is little prospect of a fall in iron, the sales to date being equal to the capacity of the furnaces up to July 1.

NEWS of an advance in coal, due to the rearrangement of the scale under which the operators are working, now has few terrors for the growers.

T. D. HATFIELD, our well known correspondent, has been appointed chief of the famous gardens and greenhouses of H. H. Hunnewell, at Wellesley, Mass., succeeding F. L. Harris, who will seek well earned retirement May 1. Mr. Hatfield will retain charge of the Walter Hunnewell establishment adjoining.

Greenhouse Building.

Chicago, Ill —Adam Zender, three rose houses. Sam. Pierce, three houses.

Grand Rapids, Mich.—Crabb & Hunter, two houses.

Haverhill, Mass.—W. F. Abrams, two houses 11x100.

Scarborough, N. Y.—Briarcliff Greenhouses, carnation house 51x306.

Holmesburg, Pa.—Chas. D. Ball, range of houses.

Malden, Mass.—E. D. Kaulback & Son, range of houses.

Peoria, Ill.—J. C. Murray, two rose houses 25x100, plant house 15x65.

North Adams, Mass.—M. S. Worden, 1500 feet of glass.

Chelsea, Mass.—Woodlawn Cemetery, two propagating houses.

Stafford Springs, Conn.—Baker & Co., one house.

Green Bay, Wis.—Raymaker & Sons, extension of range.

Council Bluffs, Ia.—J. F. Wilcox, eight 200-foot houses.

Carmel, Me.—Ernest Harvey, house 30x60.

Ashland, Ky.—W. H. Carp, house 18x75.

Yonkers, N. Y.—Frank Knapper, palm house 25x50.

Great Neck, N. Y.—W. L. Stow, rose house 20x100; palm house 28x28; fern house 16x24; propagating house 16x24.

Clifton, N. Y.—George Young, rose house 20x400.

Flushing, N. Y.—Samuel Thorne, rose house fifty feet wide.

West Derby, Vt.—H. J. Ball, carnation house.

Heating Arrangements.

ED. AM. FLORIST:—How many feet of 1-inch pipe would be required to heat with hot water two houses, one 10x80, the other 18x80 feet, and how should it be arranged? The houses adjoin and have a double wall filled with sawdust on the outside, with a rough board partition between. The larger house is a three-quarter span, with a six-foot wall at the back and a three-foot wall in front. Southern Indiana is the location.

W. H.

It is not advisable to use 1-inch pipe for hot water in houses eighty feet long, and it should never be used except with overhead flow pipes of ample size, and when the lower ends of the coils are well above the top of the heater. For a house eighteen feet wide it will be best to use three 2½-inch overhead flows, while eighteen 1-inch returns will be required to make up the needed amount of radiation, when 60° are desired. In a house ten feet wide, two 2½ inch flow pipes and ten 1-inch returns will be needed for the above temperature. If only 50° are required, three flows and eleven returns will answer for the wide house, and for the ten-foot house good results can be obtained with two 2-inch flows and eight 1-inch returns. By carrying the water under pressure a reduction can be made in the size of the flow pipes and in the number of the returns, but it will be at the expense of fuel.

Without knowing something about the interior arrangement of the houses it is not possible to give very definite advice about the location of the pipes. In the narrow house it may be best to carry the flow pipes on the plates and the returns under the benches, while in the 18-foot house the flows may be carried on the purlin posts and front plate, and the returns under the benches, or on the walls.

L. R. T.

Greenhouses for Vegetables.

ED. AM. FLORIST:—We propose to build two houses for forcing vegetables, such as lettuce and radishes. The houses will be 20x50 feet, attached, with boiler room at the north end. We shall use cypress, cedar posts, 16x16 single strength butted glass, walls double boarded four feet high, but with glass at the south end. Gutters will carry the water into the cistern inside the houses. The ground is low but can be drained. We have a No. 17 Hitchings boiler for hot water and about 1000 feet of 1¼-inch wrought iron pipe which we would like to use. As we wish to use some of the space under benches for rhubarb we should have the pipes on the walls. How should we pipe the houses? The temperature seldom goes below 15° below zero. How many ventilators should there be? How should we arrange the benches? Will it do to plant lettuce on solid beds and at what temperature should it be grown.

YOUNG FLORIST.

A 20x50 foot lettuce house with 1¼-inch coils on the side walls can be piped with two 2½-inch flows near the glass on the purlin posts. One thousand feet of 1¼-inch pipe will provide four coils of five pipes each, but the best results, especially with Grand Rapids lettuce, will require a little more radiation and it will be well to add one 2-inch pipe in each house. The coils will then consist of five 1¼-inch and one 2-inch pipe on one wall, and five 1¼-inch on the other wall in each house. It will be well to have a continuous row of ventilators two feet wide along the ridge of each house. It would also be well to have glass sash in the side walls, which could be used as ventilators. Unless there is some special reason for the use of a house of the size mentioned, better results can be secured from the same expenditure if one house twenty-six to thirty feet wide is constructed.

If rhubarb is to be grown it will be necessary to have raised benches, and for a house twenty feet wide inside, a good arrangement will be two benches each seven feet and four inches wide, with a center walk of two feet and walks along the side walls twenty inches wide. When solid benches are thoroughly drained, good results can be secured, and they are quite generally used in large houses. When Grand Rapids lettuce is grown the temperature may be carried as high as 50° at night, but it will be safer to keep it at 45° when the houses are used for head lettuce.

L. R. T.

OBITUARY.

EDWARD JOSEPH LOWE.

It is announced that the death of Edward Joseph Lowe, well known as an authority on ferns and their culture, occurred at his home in England, March 10.

JOHN WEISS.

John Weiss, one of the oldest residents of Middle Village, N. Y., died at the home of his son, Clemens Weiss, March 20, after a short illness, aged 88 years. The deceased was born in Germany and came to this country when a boy, taking up his residence at Middle Village, where he lived for the past sixty-five years. Until a few years ago he followed the occupation of florist, and was remarkable for his health and vigor.

FERDINAND FLISTER.

Ferdinand Flister died at his home at Oshkosh, Wis., March 27, after an illness of four weeks with Bright's disease. For the past thirty years he resided in Oshkosh, conducting a vegetable farm and then embarking in the floral business, which he and his wife have continued for the past twelve years. Mr. Flister was seventy years of age and was born in Germany, Nov. 3, 1830. He had several greenhouses known as The South Side Flower Exchange. He is survived by a widow and one daughter, Mrs. A. Fugelberg.

JOSEPH A. LEWIS.

Joseph A. Lewis died at Willimantic, Conn., March 19, aged 71 years. He had been identified with the nursery business and gardening for more than half a century. It was in 1858 that he located at Willimantic. At first he was largely engaged in growing trees, both for fruit and shade. He bought a tract of land, where in 1862 he erected the dwelling in which he died. In later years he raised garden vegetables. For the past ten years he had used on an average 20,000 square feet of hotbeds with nearly 100 acres under cultivation annually. In 1892 he built a large canning factory, which burned two years later inflicting a loss which discouraged him. He has for many years been an uncompromising leader of the prohibition party.

Catalogues and Cut Flower Price Lists Received.

The Elizabeth Nursery Co., Elizabeth, N. J., trees, shrubs and plants, wholesale, retail; J. N. Kidd, St. Joseph, Mo., plants and cut flowers; J. C. Williams, Montclair, N. J., trees, vines aud plants; The Cassel Nursery Co., North Clayton, O., trees; John F. Rupp, Shiremanstown, Pa., flower seeds, wholesale; S. Lenton, Long Beach, Cal., Marguerite plants, wholesale; Philadelphia Lawn Mower Co., Philadelphia, Pa., lawn mowers; Gilbert Trap Co., Dayton, O., mole traps; Adler Color & Chemical Works, New York, N. Y., green arsenoid; John Peed & Son, London, S. E., England, greenhouse and bedding plants; Soupert & Notting, Luxemburg, Grand Duchy of Luxemburg, roses; E. H. Krelage & Son, Haarlem, Holland, greenhouse and bedding plants; E. H. Hunt, Chicago, Ill., cut flowers and seeds; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; E. C. Amling, Chicago, Ill., cut flowers; John M. Hudson, St. Louis, Mo., cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies, J. B. Deamud, Chicago, Ill., cut flowers.

McKEESPORT, PA.—J. H. Orth & Co. have bought out the stock of the Filson Floral Co., and will remove all to their establishment at 238 Fifth avenue.

CARTHAGE, MO.—Perry Finn has been in business for six years. He has a fine miscellaneous stock, a house of excellent violets and some very tempting vegetables.

COUNCIL BLUFFS, IA.—J. F. Wilcox has received the material for his new range of eight houses. Five of the structures are to be 25x200 and the other three are each to be of almost equal dimensions but with a slant to the gable ends. The material was wanted in a rush and was ordered of the Moninger Co., Chicago, March 19 and was shipped in six days.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—As working foreman, roses, carnations and general stock Address A B C. care American Florist.

SITUATION WANTED—Salesman and designer, store or greenhouses. East preferred. K. care W. J. Stewart, 67 Bromfield St., Boston.

SITUATION WANTED—By young man of several years' experience in retail trade. Best reference. E. R CHAPPELL, 10 Van Buren St., Chicago.

SITUATION WANTED—By single German florist and gardener. Good, all-around man. Private or commercial. Address W. K., care American Florist.

SITUATION WANTED—By a reliable man, 25 years in the business in England and America Specialties, roses, carnations, etc. First class reference. Give full particulars, with wages. Address O K, care American Florist.

SITUATION WANTED—By first-class, all-around grower of cut flowers, as working foreman or to take charge of section. Fifteen years experience. Best of references. Address UP-TO-DATE, care American Florist.

SITUATION WANTED—On a private place, ten years experience in roses, carnations, chrysanthemums and general greenhouse stock Can furnish best of references. Address J. OLEARSKI, 156 18th Street, Brooklyn, N. Y.

SITUATION WANTED—The advertiser would like to secure a position as head gardener on a private place or foreman in a commercial establishment; thoroughly experienced in all departments; best of references. Address C. J. R., care American Florist.

SITUATION WANTED—By an experienced florist to take charge of retail commercial place. Thoroughly posted in growing for the retail trade. Age 32; single. Wages, $30 and board. Illinois or Ohio preferred. Address "RETAIL," care American Florist.

SITUATION WANTED—By a married man as manager or foreman in a private or commercial place; 25 years experience in roses, carnations, chrysanthemus, violets and general greenhouse plants. Address COMPETENT, care American Florist.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal.

WANTED—Vegetable gardener all the year round, for greenhouse and field. Address Box 141, Station 1, Des Moines, Iowa.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—Young man for first-class flower store. Must be a hustler, and willing to work at anything. State experience and wages wanted. GASSER'S, Euclid Ave., Cleveland, O.

WANTED—A rose grower who thoroughly understands growing A No. 1 stock The right party will have a good position. First-class references required Address M K, care American Florist.

WANTED—At once, a young man, German; must be sober and reliable, for general greenhouse work. Wages $15 per month with board and room. Work easy; place steady all the year round. Address J. RINDFLEISCH, Beloit, Wis.

WANTED—A reliable man to take charge of greenhouses, one capable to grow general stock of cut flowers and plants for retail store trade. Must be sober, honest and reliable. State wages and particulars in first letter. FRED J. KING, Ottawa, Ill.

WANTED AT ONCE—Single man, German preferred, for growing cut flowers and bedding stock, must be a good worker, sober and reliable. State wages expected with board and room. Permanent place to the right man. References Address A B, care American Florist

WANTED—To buy good second-hand glass house about seventy feet long, to remove—lean-to preferred—must state all following particulars or no attention paid: Height, width, length, approximate roof pitch, lean-to or span, age and cash price. Address P. O BOX 123, Bronxville, New York.

FOR SALE OR RENT—Commercial place; location the best. R D BAKER, Canon City, Colo.

FOR SALE—100 Hotbed sash, in good order, $1 00 each, F. O B Address COTTAGE GREENHOUSES, Litchfield, Ill.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—My greenhouses, etc., about 7,000 feet of glass. A good retail trade. Terms easy. Address JACOB RAIFSTANGER, Great Barrington, Mass.

FOR SALE—Lebanon Greenhouses and residence; established business; no competition; houses stocked. Failing health compels sacrifice. Write for particulars. NEAL & CO., Lebanon, Ind.

FOR SALE—Four-inch cast iron greenhouse pipe, 5-feet lengths, F. O. B., 15c. per foot, in good order. Address INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.

FOR SALE—Only cut flower establishment in county, 50 miles from St. Louis, 60 express trains daily. Cheap fuel and city water. Cheap if sold at once Address FELIX, care American Florist.

FOR SALE—Established florist business, with or without 7 room dwelling, in a good Indiana town; no competition within 20 miles. Will bear investigation. Address WABASH, care American Florist.

FOR SALE—At a bargain, 2 hot water greenhouse boilers 15,000 feet 4-inch cast-iron pipe, 5 feet lengths, some 5 and 6-inch cast-iron pipe 5-feet lengths; 300 teas and elbows, 4-inch; 600 boxes, 8x10, A glass; 300 boxes, 10x12, A D S glass, practically good as new. Will be sold in lots to suit. For particulars call or address R. J LEWIS, 357 Racine avenue, Chicago, Ill.

FOR SALE—A good paying establishment of 5,500 feet of glass, ½ acre of land, 8-room dwelling. This is located in the heart of a city of 14,000 inhabitants, with but very little competition Would like to sell about 1st or 15th of June. This is not only a bargain but also a grand opportunity for some enterprizing florist. Will state reasons for selling on application. Address OPPORTUNITY, care American Florist.

BIG SNAP!

One Ventilating Apparatus cheap. Extra castings and patterns.

McLENEGAN BROS., READING, PA.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land; 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

FOR SALE

102 acres fine land, part cultivated	$2,800.00
Lot 52x241, four greenhouses, sheds, etc...	3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain....	3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling	4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc.....	6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business	7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling	9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

It is good business policy to mention the

....American Florist

when you write to an advertiser.

Denver, Colo.

The unusually hot weather has had a bad effect on cuts, roses, especially, coming small and soft. Violets are about done; the few that come in are poor. Unless the weather turns cooler good flowers will be scarce for Easter. Several growers complain of being unable to hold back their lilies.

Mr. Elberfield, of the Alpha Floral Co., has opened a branch at Colorado Springs, Colo. DENVER.

Wholesale Flower Markets

CINCINNATI, March 29.

Roses, Beauty, select	40 00
" " medium	25.00
" Bride	4 00@ 6.00
" Bridesmaid	4 00@ 6 00
" Meteor	4.00@ 6.00
" Perle	4 00@ 5 00
Carnations	1.50@ 2 00
" fancy	3 00
Lily of the valley	3.00
Violets	50.@ .75
Narcissus	3 00
Roman hyacinths	2 00@ 3.00
Dutch "	4.00
Callas	10.00@12 50
Harrisii	10.00@12.50
Daffodils	3 00
Tulips	3.00@ 4.00
Asparagus	50 00
Smilax	15 00
Adiantum	1.00
Common ferns	.20
Galax leaves	.15

ST LOUIS, March 29

Roses, Beauty, short stems	5 00@10 00
" " medium	10 00@12 50
" " fancy	25.00@40.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	3 00@ 5 00
" Perle Wootton	3 00@ 4 00
Carnations, common	1 00@ 1 50
" fancy	2 00@ 3.00
Lily of the valley	3 00@ 4 00
Violets	.20@ .30
Narcissus	3.00
Romans	3 00
Callas	10 00@12.50
Harrisii	10 00@12 50
Tulips	2 00@ 3 00
Smilax	10.50@12.50
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00

MILWAUKEE, March 29

Roses, Beauty, long, per doz.	3.00@ 4 00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	6.00@ 8 00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.50@ 2 00
" fancy	3 00@ 4.00
Violets	.50@ 1.00
Roman hyacinths	3 00
Daffodils	2 00@ 3 00
Mignonette	2.00@ 3.00
Adiantum	1 00@ 1 50
Common ferns	25
Smilax	15.00@18.00
Asparagus	75.00
Galax leaves	.20

PITTSBURG, March 29.

Roses, Beauty	2.00@25 00
" Bride, Bridesmaid	3.00@12.00
" Meteor	3.00@12.00
" Kaiserin	3 00@12.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6 00
Carnations	1 50@ 4.00
Lily of the valley	2 00@ 4.00
Violets, double	.20@ .75
" California	.20@ .30
Daffodils	2.00@ 3.00
Roman hyacinths	1 50@ 3.00
Harrisii	8 00@12.00
Freesias	1 00@ 1 50
Tulips	2.00@ 4.00
Pansies	.75@ 1 00
Lilacs, per bunch	1.50@ 2 00
Daisies	1 00@ 2 00
Mignonette	1.00@ 4 00
Smilax	12 50@20 00
Wild Smilax, per case	3.50@6 00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	.35 to 50c
" Sprengerii, bunches	.35 to 75c
Galax leaves	.15

DENVER, March 28.

Roses, Beauty, select	32.00@48.00
" ordinary	10.00@20.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Perle, Wootton, Niphetos	4 00@ 6 00
Carnations, ordinary	1.50@ 2.00
" fancy	3.00
Lily of the valley	4.00@ 5.00
Violets	5.@ .75
Callas, per dozen	1.50
Harrisii "	1.50
Narcissus	3.00@ 4.00
Daffodils	2 00@ 4.00
Tulips	4.00
Sweet peas	1 00
Asparagus	50 00
Smilax	17.00
Ferns	.30
Galax leaves	.20

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CATTLEYA TRIANÆ		18 00

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. per dozen, $1.00
DRACAENA TERMINALIS, nice plants, 2½-in. " 1.00
(*Special prices will be quoted on application for these plants in quantity from the sand.*)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

GEORGE REINBERG
FORMERLY OF REINBERG BROS.
Wholesale Dealer and Grower of Cut Flowers
51 WABASH AVE., CHICAGO.

Orders booked for choice American Beauties for Easter.

	Per Dozen
Am. Beauties, ex. long	$5.00 to $6.00
" 30-in. stem	3.00 to 4 00
" 24 in. "	2.50 to 3.00
" 18-in. "	2.00 to 2.50
" 15 in. "	1.50 to 2 00
" 8-12-in. "	.75 to 1.25
	Per 100
Brides, Maids, La France, K. A. Victoria, Meteors	select, $8; 1st, $6; 2d, $4; 3d, $3
Carnations, fancy	$4 00 to $5.00
" fancy standard vars.	3 00 to 4 00
" 1st grade, good	1.50 to 2.50

	Per Dozen
Harrisii (special price on large lots)	$2.00
Callas	2.00
Daffodils	per 100, $3 00 to $4.00
Roman	" 3.00 to $4.00
Violets	" .75 to 1.00
Adiantum	" 1 00
Smilax	" 10 00 to 12.50
Fancy Ferns	per 1000, $1.50; per 100, 20c
Asparagus, per string	50c, 60c, 75c

OFFICIAL PRICE LIST FOR EASTER.
Order from this, as none will be mailed.
Best stock shipped unless grade mentioned.

The New York Market Florists' Association
Will commence the season MARCH 24, 1900, at CLINTON MARKET,
CANAL AND WEST STREETS, NEW YORK CITY.
Country buyers please note the date.

Cincinnati.. Cut Flower Co.,
W. A. MANN. FRANK W. BALL.
416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

HUDSON & CO.
WHOLESALE FLORISTS,
1527 PINE STREET,
Phone, Kinloch D 83. ST. LOUIS, MO.
Consignments Solicited. Prompt returns guaranteed.

FANCY DAGGER
HARDY Cut Ferns!
$1.00 PER 1000.
GALAX LEAVES.....$1.00 per 1000
BOUQUET GREEN.....4 cts. per lb.
SPHAGNUM MOSS.....75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order.....3 to 8 cts. per yd.
XMAS TREES, both Spruce and Balsam, for decorations, from 4 to 20 ft. Price very reasonable.
BAILED SPRUCE, for cemetery use, etc., etc.
L. B. BRAGUE, Hinsdale, Mass.

WM. L. LINGENBRINK,
Wholesale Florist.
FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
1005 Seventeenth St., Denver, Col.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

ORCHIDS: CATTLEYAS, $6.00 per dozen.

	Per Dozen.
AM. BEAUTIES, Ex. long	$3.00 to $5.00
" 24-inch stems,	2.50
" 20 " "	2.00
" 15 " "	1.50
" 12 " "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 1.50
BRIDES	4.00 to 6.00
BRIDESMAIDS	4.00 to 6.00
METEORS	4.00 to 6.00
PERLES	3.00 to 5.00
VALLEY	3.00 to 4.00
TULIPS	2.00 to 4.00
LIL. HARRISII	10.00 to 12.50
CALLA LILIES	10.00 to 12.50

	Per 100.
DAFFODILS	$ $3.00
VIOLETS, double	.75 to 1.00
" single	.50
ROMANS	2.00 to 3.00
NARCISSUS	2.00 to 3.00
ADIANTUM	1.00
ASPARAGUS 50 cts.	
SMILAX $1.50 per doz.	12.50
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS $1.50 per M.	.20
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4.50
No. 5 " 40 lbs.	5 50
No. 6 " 50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc. MASSACHUSETTS FANCY FERNS, 1000 $1.50; 5000 lots, $6 25.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

GEO. REINBERG,
Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

PETER REINBERG,
Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

Wholesale Flower Markets

CHICAGO March 30.

Roses, Beauty, extra long stems	4 00
" " 30 inch "	3.00
" " 24 " "	2 50
" " 20 " "	2 00
" " 15 " "	1.50
" " 12 " "	1 25
" " 8 " "	1 00
" Bride, Bridesmaid	5 00@ 8 00
" Perle	4.00@ 6.00
" Meteor	5 00@ 8.00
" La France	6 00@ 8.00
" Golden Gate	8.0 @10 00
Carnations	1.50@ 2.00
" fancy	3.00@ 4 00
Violets, double	.50@ 1.00
" single	.40@ .50
Lily of the valley	3.00@ 4.00
Cattleyas per doz.	4 00@6.00
Dendroblums	3 00
Lilacs "	.75@1.00
Mignonette	1.00@ 2.00
Roman hyacinths	1.00@ 2 00
Dutch hyacinths	4 0 @10 00
Narcissus	3 00@ 4 00
Harrisii	10.00@12 00
Callas	8 00@10 0
Freesias	1 00@ 3 00
Tulips	2.0 @ 4.00
Adiantum	.50@ 1 00
Common ferns	.15
Fancy ferns	.20
Smilax	8 00@10.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Maneger,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2167.

Am. Beauties Roses Violets

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT A.D. 1763 COL. BOUQUET. PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Flor sts' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

Wholesale Commission Florists.

New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

LONG DISTANCE TELEPHONE.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

FLORISTS' SUPPLIES

FLORISTS' VASES.

N. F. McCarthy & Co.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, March 28.

Roses, Tea	4.00@ 8.00
" " extra	10.00@12.00
" Beauty, extra	40.00@50.00
" " firsts	20.00@35.00
" " seconds	6.00@12.00
Carnations	1.50@ 2.00
" fancy	2.00@ 4.00
Lily of the valley	3.00@ 4.00
Violets	50@ 1.00
Daffodils	3.00@ 4.00
Mignonette	2.00@ 4.00
Asparagus	50.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50

BOSTON, March 28.

Roses, Beauty, extra	15.00@25.00
" " medium	10.00@12.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 5.00
" " extra	6.00@10.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.00@ 4.00
Lily of the valley	1.00@ 3.00
Violets, single and double	.20@ .50
Daffodils	1.50@ 2.00
Tulips	2.00@ 3.00
Longiflorums	10.00@12.00
Callas	6.00@ 8.00
P. W. narcissus, Roman hyacinths	1.50@ 2.00
Mignonette	3.00@ 4.00
Smilax	12.00@16.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO

A complete line of Wire Designs.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq.
39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, March 28.

Roses, Beauty select	15.00@25.00
" " medium	10.00@12.00
" " culls	2.00@ 5.00
" Bridesmaid, Bride, Meteor	1.00@ 5.00
" " " Select	6.00@ 8.00
Carnations	1.50@ 1.50
" fancy	1.50@ 2.00
Lily of the valley	1.00@ 2.00
Violets	.25@ .50
Romans hyacinths	.75@ 1.00
Yellow narcissus	1.00@ 2.00
Tulips	1.50@ 3.00
Mignonette	2.00@ 5.00
Sweet peas	.50@ 1.00
Callas	6.00@ 8.00
Harrisii	8.00@12.00
Lilac, per bunch	.50
Cattleyas	30.00@50.00
Smilax	10.00@15.00
Asparagus	35.00@50.00
Sprengeri, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, March 29.

Roses, Beauty	5.00@50.00
" Bride, Bridesmaid, Meteor	4.00@10.00
" Perle, Niphetos	3.00@ 6.00
" Kaiserin	6.00@ 8.00
Carnations, ordinary	1.00@ 2.00
" fancies	3.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1.00
Mignonette	2.00@ 4.00
Daffodils	3.00@ 4.00
Roman hyacinths	2.00@ 4.00
Harrisii	12.00@16.00
Callas	8.00@10.00
Tulips	3.00@ 5.00
Smilax	15.00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	.15
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN IS NOW AT 106 W. 28th St., NEW YORK CITY,
where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square.
.....NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres ; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

C. P. BRASLAN is on his way to California again.

ONION sets are scarce and higher, stocks light, reds and tops out of the market.

ANOTHER snowstorm in the middle west has again shortened up the busy season for seedsmen in that section.

THE *Gardeners' Magazine* remarks that the seed trade in the United Kingdom this year is a record one, in spite of wars and rumors of wars.

THE warehouse and office of Barteldes & Co., Lawrence, Kans., was destroyed by fire March 22. The loss was heavy, but is nearly covered by insurance.

FLORAL PARK, N. Y.—John Lewis Childs states that the mail seed trade with him has been considerably better than last year. The trade this month has not been up to expectations.

ST. LOUIS, MO.—Your correspondent paid a visit to the seedsmen of this city and found nothing new except that they are very busy and that they all report a much heavier business this year than last.

COLUMBUS, O.—A. W. Livingston's Sons write: "Trade is very satisfactory; mail trade about thirty per cent above that of last year to this date. Counter trade is now beginning and promises to be heavy."

ST. PAUL, MINN.—L. L. May & Co. report that mail trade has been very satisfactory, especially in March. Retail and market garden trade has hardly opened up yet, owing to the lateness of the season.

CHICAGO, ILL.—From J. C. Vaughan we learn that mail business and counter trade have not been quite up to last year on account of continuous cold weether. The private and market gardeners' trade has been equal to the usual volume.

PHILADELPHIA, PA.—The firm of Henry A. Dreer informs us that business to March 1 shows an increase over former years and that March has held its own, adding, "And we look for the rush which must come with the advent of milder weather now due."

Baltimore.

A BUSINESS CHANGE WHICH MEANS A NEW GROWER.—HOUSES CRUSHED BY THE SNOW.—STATE OF THE WEATHER AND CROPS.

The partnership between Madsen & Anderson, rose growers near Govanstown, terminates by limitation on April 1. Anders Anderson will build for himself and start separately, while Wm. Madsen will continue the business with Hans Anderson as partner. The Andersons, though both Danes, are not related in any way. The products of this establishment, during the five years which the partnership has continued, have been of remarkably uniform high quality, particularly their American Beauties, and it is not venturing too much to predict for both firms a successful future.

Julius Tischinger, who has been helpless from a stroke of paralysis for several weeks, met with a serious loss last week, the heavy fall of snow crushing in two of his greenhouses.

The weather has been such that all four seasons have occurred in one week, and the effect in checking production has been marked. Doubts are beginning to be heard about the Harrisii lilies coming in plentifully, late as Easter is, and there has been no indication of over production of any crop.

MACK.

Washington.

STATE OF TRADE.—ANOTHER WINTER SCENE.—STOCK FOR EASTER.—LOOSE IS BUILDING FOR SUMMER.

Trade is about the same as last week; stock not quite so plentiful. If the weather is favorable there will be plenty of roses, carnations, lilies, violets and bulbous stock for Easter. March 26 Washington was visited by another snow storm. It was a novel sight at this time of the year. The city was decked with about three inches of snow.

J. Louis Loose is completing a large house, glazed with ribbed glass, for summer growing of roses and carnations His general stock comprises American Beauty, Kaiserin, Bridesmaid and Mme. de Watteville roses, carnations in great variety, Hydrangea Hortensia, azaleas and rhododendrons, all in fine condition. He also has some pot roses, including some extra fine Crimson and Yellow Ramblers.

The majority of florists at the markets are complaining of the trade being dull.

P. G.

TROY, N. Y.—Fire originating in another portion of the business block in which Mrs. S. Walch's retail store is located caused her considerable loss on the night of March 4.

WEST HAVEN, CONN.—Thos. Pattison died on the afternoon of March 20. He had been ill some time with the grip, which developed into pneumonia.

SPECIAL OFFER OF BULBS AND CHOICE FLOWER SEEDS
FOR SEEDSMEN AND FLORISTS.

Asters, Semple's True Branching, mixed ....per ¼ oz. 20c; per oz. 50c; per pound $5.00
" " " " shell pink, white and red....per ¼ oz. 25c; per oz. 75c
Asparagus Plumosus Nanus....per trade packet (25 seeds) 30c; per 100 seeds, $1.00; per 1000 seeds, $9.00
" Sprengerii....per trade packet (25 seeds) 25c; per 100 seeds, 75c; per 1000 seeds, $5.00
Begonia, single tuberous rooted, separate colors....per doz. 40c; per 100, $2.50.
" " " mixed....per doz. 35c; per 100, $2.00; per 1000 $18.00
" double " mixed....per doz. 65c; per 100, $5 00
Gloxinias, choice mixed....50c per doz.; $3.00 per 100; $27.50 per 1000
Hyacinthus Candicans (choice bulbs)....25c per dozen; $1.50 per 100
Iris Pumila, mixed....35c per dozen; $1.25 per 100; $10.00 per 1000
Lilium Tigrinum (Tiger lily)....per dozen, 50c; per 100, $2.75
" Flore Plena....per dozen, 65c; per 100, $3.50
Montbretia Crocosmæflora, yellow and crimson, fine for cutting, 10c per doz.; 60c per 100; $5.00 per 1000
" Potsii, orange and red....10c per doz.; 50c per 100; $4.50 per 1000
Oxalis, summer flowering, mixed....10c per dozen; 35c per 100; $2.50 per 1000
Spotted Callas, (Alba Richardia Maculata)....per dozen 45c; per 100, $2.75
Tigridia Pavonia, alba grandiflora, and orange....per dozen, 30c; per 100, $2.00
Tuberoses, No. 1 double pearl, fine large bulbs....75c per 100; $6 50 per 1000
" No 2 double pearl....50c per 100; $3.50 per 1000

Send for new Wholesale List for March. **JOHNSON & STOKES,** 217 and 219 Market Street, PHILADELPHIA PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of
CHOICE FLOWER SEEDS FOR FLORISTS
is now ready. A post-card will bring it to you.
We have still on hand some of our
LILY OF THE VALLEY PIPS,
the finest that come to this country.
Per 1000, $10; cases of 3000 at $9 per 1000

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Tuberous Begonias, single, five separate colors, extra fine large bulbs, ½-inch, per 100, $2 50. Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs, per 100, $3 00. Cannas in choicest sorts, $2.00 to $8 00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Sprengeri seed. 100 75c; 1000 $6 00. Asparagus P. Nanus (TRUE). 100 $1 00; 1000 $9.00. Latania Borb. 100 40c; 1000 $2 50 Pandanus Utilis, 100 $1.25; 1000, $10 00. Cocos Wedelliana, 100 $1 00; 1000 $7.50. Send for our NEW spring list. Address
H. H. BERGER & CO., 47 Barclay St., N. Y.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6 00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Jacques Hasslach
NIMES, FRANCE,
CHOICE SEED
GROWER. Open now to contract for 1900 crop.
Phlox, Balsams,
Portulaca, Zinnia,
Egg Plants, Cauliflower,
Capsicums, Etc.

Order now your Bulbs while you can make money with
Paper White Narcissus Grandiflora,
EXTRA, $4.00 per 1000,
free Marseilles. Packing free. 1st Dec. settlement. Very low prices on application for **ROMAN HYACINTHS** and other French Bulbs for forcing.

A. BERNARD, Grower and Exporter,
Carqueiranne, Var, France.

FLORISTS' FLOWER SEEDS

Antirrhinum Queen of the North
Snow white, an excellent cut flower. Blooms summer and winter. Trade pkt. 10c.; oz. 30c.

Aquilegia Cœrulea —
Fine pot plant. Trade pkt., 10c.

Aquilegia Cœrulea Hybrida
The seed of these new hybrids has been supplied to us by Mr. L. Burbank, who describes them as "marvelously improved in size and colors—by far the best seed ever offered." Trade pkt., 25c.

Asparagus Plumosus Nanus
100 seeds, $1.00; 1000 seeds, $9.00.

Asparagus Sprengerii
Per 100 seeds, 60c; 1000 seeds, $5.00.

Asparagus Decumbens—New.
25 seeds, 60c; 100 seeds, $2.00.

Candytuft—*New Giant Hyacinth Flowered, White.* An improvement on Empress. Trade pkt., 10c; oz., 60c.

Empress—An extra fine strain.
Trade pkt., 10c; oz., 50c.

Castor Bean, Zanzibar Giant
Pkt, 5c; oz., 10c.

Centaurea Imperialis
White or pink, new cut flower, much better than Margaret. Trade pkt, 25c.

Cobaea Scandens
Trade pkt., 10c; oz., 30c.

Mignonette—*Giant Machet.*
An excellent strain. Trade pkt., 10c.; oz., 50c.

Nasturtium—Tall or Dwarf.
Separate sorts, oz., 10c. Vaughan's Special Mixture Tall or Dwarf—each, oz., 10c; ¼ lb, 30c; lb. $1.00. Mme. Gunther's Hybrids, oz., 10c; ¼ lb., 20c; lb., 60c.

ANTIRRHINUM QUEEN OF THE NORTH.

For other kinds of Flower Seeds see our "Book for Florists" sent free on application.

VAUGHAN'S ASTER SEED See advertisement in last issue of AMERICAN FLORIST. Ten Per Cent. Discount on orders for flower seeds of $2.00 and over for cash with order.

Scabiosa Snowball
Large double white; splendid cut flower. Trade packet, 10c.; oz., 25c.

Latania Borbonica Seed
Just received. Per lb., 60c; 10 lbs., $5.00; 100 lbs., $45.00.
(One pound contains about 250 seeds.)

SWEET PEAS

	oz.	¼ lb.	lb.
Blanche Burpee Large white	$0 5	$0 12	$0 40
Blanche Ferry 10 lbs., $2.50	5	10	30
Blanche Ferry, Extra Early 10 lbs. $2.50	5	10	30
Bride Extra fine white	5	15	50
Countess The new, best lavender	5	12	40
Earliest of All Pink and white	10	25	80
Emily Henderson White, 5 lbs., $1.40	5	10	30
Her Majesty Rose, large flower	5	15	40
Lovely Soft shell pink, beautiful	5	15	50
Maid of Honor Improved Butterfly	5	15	45
Navy Blue Almost true blue	15	40	1 50
Sadie Burpee New, white	15	40	1 50
Salopian The best red	5	15	50
Vaughan's Prize Mixture 10 lbs., $4.25		15	50
Vaughan's Florists' Mixture		15	40
Eckford Mixture 10 lbs., $2.50		12	30

NEW YORK, 14 BARCLAY ST. **VAUGHAN'S SEED STORE** CHICAGO, 84-86 RANDOLPH ST.

S. A. F. Convention, 1900

New York Florists' Club.

Official Catalogue and Souvenir now in course of preparation, as an advertising medium cannot be excelled. A beautiful book, containing official programme, views of Greater New York and vicinity. Thorough description of all leading establishments, and complete information regarding Horticultural and Floricultural interests.

For information, advertising rates, etc., address MR. CHAS. B. WEATHERED, 46 Marion St., New York.

TRADE EXHIBITION

As usual in connection with the S. A. F. Convention will be held a great Trade Exhibition;

Presenting to the Growers, Seedsmen and dealers in everything appertaining to Horticultural and Floricultural interests, a superb opportunity to display their wares to the BEST POSSIBLE ADVANTAGE.

Convention and Exhibition under the Same Roof.

Information, diagrams, and all other particulars mailed on application to the manager,

MR. JOHN P. CLEARY, 60 Vesey St., New York.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS. Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester. N. Y., Sec'y.

HARDY stocks will not alone solve the root killing problem.

NURSERYMEN report no decrease in the call for ornamental stock.

P. S. PETERSON & SON, Chicago, have this winter been doing much work in the way of transplanting large trees.

THIS season has seen a pronounced improvement in the arrangement, illustration and typography of many nursery catalogues.

GREENING BROTHERS, Greening, Mich., have had good trade, especially on Richmond cherry trees, for which they have found a big demand in Iowa.

PROF. JOHN CRAIG thinks that Pyrus baccata, while of value as a budding stock, will never be of importance commercially in the orcharding districts of the Mississippi valley.

WORK is already well under way upon the programme for the meeting of the American Association of Nurserymen at Chicago, June 13 and 14, which will be the twenty-fifth anniversary of the society's organization.

NEWARK, N. Y.—The Jackson & Perkins Company has still further increased the extent of its nurseries by the purchase of another farm, adjoining one which was acquired and planted only a year ago. The new place is 120 acres in extent, making a total of some 350 acres, of which about fifty acres is devoted to field-grown roses, the firm's leading specialty.

LOUISVILLE, KY.—F. C. Haupt and Prince Wells have paid $38,000 for a very desirable piece of property on Fourth avenue, where they will erect a fourstory building. The lower floor will have two large stores, one for each of the proprietors.

TREE SEEDLINGS

SURPLUS LIST
SPRING OF 1900,

Prices F. O. B. here. Terms cash or Bank Reference before Shipment.

		Per 1000
American White Ash (true)	4 to 9 inches	$ 4.00
" " " "	12 to 18 inches	10.00
Green Ash,	4 to 9 inches	1 50
American Beech,	3 to 6 "	2.00
American Berberry,	9 to 12 "	10.00
Hardy Catalpa,	3 to 9 "	3.00
" "	9 to 12 "	6.00
Teas Hybrid Catalpa,	3 to 6 "	3.00
American White Elm,	4 to 6 "	2.00
Rock Elm,	3 to 4 "	3.00
Red Elm,	4 to 6 "	8.00
Black Locust	1 to 2 ft.	3.00
" "	2 to 3 ft.	8.00
Box Elder,	3 to 6 "	1.50
" "	9 to 12 "	6.00
Sugar Maple,	3 to 4 "	1.00
" "	12 to 18 "	3.00
" "	18 to 24 "	5 00
		Per 100
Silver Maple,	4 to 9 "	$ .50
" "	9 to 12 "	1.00
Russian Mulberry,	3 to 6 "	.30
" "	9 to 18 "	.75
Poplar and Willow Cuttings		3.00

Poplars, Silver Leaf, Lombardy, Large White. Balsam and Balm of Gilead.

Willows, White, Yellow, Purple and Wisconsin Weeping. ADDRESS

SNOWFLAKE NURSERIES,
Snowflake, Mich.

DORMANT ROSES

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes, } 100, 20.00
2 year old Budded stock, 3 ft. canes ... Doz., $2.00 100, $15.00

Kaiserin A. Victoria, 2 year budded....100, $15.00
Mad. Caroline Testout, 2 year budded... " 15.00
Hermosa, extra strong Holland grown 2 year Own roots....100, $13.00

ALL ON OWN ROOTS, AT $13.00 PER 100:
Gen. Jacq. · John Hopper. · Baron Bonstetten. · Paul Neyron. · Coquette des Alpes. · Mad. G. Luizet. · Anne de Dieshach. · Magna Charta. · Ulrich Brunner · Prince C. de Rohan.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:
Baroness Rothschild. · Gloire Lyonnaise. · Marie Baumann · Paul Neyron. · Boule de Neige. · Baron Bonstetten. · Ulrich Brunner. · Mad. G. Luizet. · Mrs. John Laing. · Prince C. de Rohan. · Capt. Christy. · Anne de Diesbach · Magna Charta · Malmaison. · Fisher Holmes. · John Hopper. · Mad. Chas. Wood. · Perle des Blanches. · Gen. Jacq. · La France. · Coquette des Alpes. · Giant of Battles. · Gen. Washington. · Mabel Morrison. · Marshall P. Wilder.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
CREENHOUSES, WESTERN SPRINGS, ILL.

The Beautiful and Rare **AZALEA VASEYI** (Rhododendron)

Introduced by us, is planted by thousands in Franklin Park, Boston, Prospect Park, Brooklyn, and other leading Parks of America. A mass of pink and white flowers in early spring. Unequalled in Cemetery work. It can be seen now in every large Cemetery.

Strong Budded Plants, 18-24 in....$15.00 per 100.
" " " 2- 3 ft.... 35.00 per 100.
" " " 3- 4 ft.... 50.00 per 100.

Many new and rare species of Hardy American Plants and Carolina Mountain Flowers. Wholesale Catalog to Park and Cemetery Officials and the Trade generally. Correspondence solicited. Address

Proprietor **HARLAN P. KELSEY,**
Highlands Nursery, Kawana, N. C. Tremont Building, BOSTON.

LARGE MAPLES.

NORWAY MAPLES. Per 100

1½-1¾-in. cal.,	10-14 feet	$35.00
1¾-2 " "	12-16 "	60.00
2-2¼ " "	14-18 "	90.00
2¼-2½ " "	16-19 "	110.00

SILVER MAPLES. Per 100

1¾-2 in. cal.,	12-14 feet	$25.00
2-2¼ " "	14 18 "	35.00
2¼-2½ " "	15-18 "	50.00
2½-3 " "	16-20 "	75.00
3-3½ " "	18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops.
CAR LOTS. General nursery stock in large sizes a specialty. Field grown Herbaceous Plants.
ISAAC HICKS & SON, Westbury Station, Nassau County, New York.

OAKS 10,000
Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Rhododendron Maximum
Kalmia Latifolia.

In all sizes and any quantity.
Special rates on car-load lots.
A special opportunity.
Write for prices.

J. WOODWARD MANNING,
1150 Tremont Building,
BOSTON, MASS.
Quotations on all other Nursery stock.

FRUIT and ORNAMENTAL **TREES**
SHRUBS
VINES
AND ROSES

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Varnish Tree (*Koelreuteria paniculata.*)

THIS tree has been known in European gardens for nearly a century, but it is very rare in this country. We cannot praise it more highly than to quote from *Meehan's Monthly* the following:

"This beautiful Japanese tree is not nearly so much appreciated in ornamental gardening as it deserves to be. Nurserymen generally say that the orders for it are comparatively limited. It is, we think, one of the most beautiful of our small trees, having striking characteristics at all seasons. When in the springtime of its growth, few fern fronds are prettier then the leaves of this tree. At midsummer its brilliant golden flowers make it a complete mass of beauty, while in fall its rich crimson foliage vies with many of our American trees that have been celebrated in this respect. Even in winter the characteristic growth of the branches is particularly striking."

Prices

	Per 10	Per 100
4 to 6 feet, transplanted -	$2.50	$18.00
6 to 8 feet, transplanted -	3.50	30.00
8 to 10 feet, transplanted -	4.50	35.00

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Proprietor,

Chestnut Hill, PHILADELPHIA, PENN.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Chicago at Joliet.

The Chicago bowlers never had a better time than was given them on Saturday evening, March 24, when they went to Joliet. The delegation numbered eight, the bowling team being accompanied by C. W. Scott, of Vaughan's, and Johan Hillebrand, a Holland bulb man. They went out on the 6:20 train and partook of a bountiful repast enroute. Arrived at Joliet, Mr. Hartshorne assumed charge of the party, and he and his fellow townsmen did everything possible to make the evening pleasant. After the contest on the alleys, which resulted in a victory for the visitors, the party of twenty or more repaired to the studio of Joliet's most proficient pianist, where refreshments were served, followed by music and story telling. The visitors enjoyed every moment of the evening and hope to have the pleasure of reciprocating in the near future. Following is the score compiled on the alleys:

JOLIET.

Player	1st	2d	3d
T. Savage	168	210	159
J. Hartshorne	136	127	165
W. Timme	102	146	117
W. Hucke	124	111	99
F. Jackson	120	115	111
J. M. McMahon	113	122	118
Total	763	831	767

CHICAGO.

Player	1st	2d	3d
J. Degnan	127	157	138
George Stollery	116	128	182
Fred Stollery	151	136	119
W. Kreitling	160	129	107
C. P. Hughes	105	142	149
Ed. Winterson	134	157	137
Total	794	849	832

At Philadelphia.

There is still great interest taken in bowling by the local brethren, who, with one or two exceptions, regard it their most enjoyable pastime. The exceptions noted put the gun first. We are feeling a little puffed up just at present and our hats don't fit any too well, for the reason that our first six won the virtual championship over all clubs in this city by defeating the strong Century team in a three game match last Friday. The scores were not very large but the match, being the deciding one, was of so much importance it was not to be expected that any unusual scores would be made. Tournament matches are not practice games by any means, the pressure forcing many an otherwise safe bowler up in the air. The score follows:

FLORISTS.

Player	1st	2d	3d	Av
Brown	152	161	148	461
Connor	173	180	152	505
Starr	173	132	172	477
Johnson	129	156	157	443
Moss	148	140	162	450
Peterson	188	144	136	468
Team totals	963	913	927	2803

CENTURY.

Player	1st	2d	3d	Av
Mooney	163	139	138	440
Duffield	166	116	186	468
George	124	135	165	424
Fairley	155	106	118	379
Ehst	153	177	128	458
Warker	162	161	145	468
Team totals	923	834	880	2637

K.

At St. Louis.

The St. Louis Florists' Bowling Club rolled six games March 26. The following is the score:

Player	1st	2d	3d	4th	5th	6th	Av
Beneke	154	158	159	222	159	178	172
Kuehn	134	188	144	193	138	180	163
Webber	136	123	134	135	140	150	138
Young		89	119	149	122	142	124
Schray	109	91	98	173	123	120	119

J. M. H.

At New York.

Monday evening, March 26, found a crowd of unusual proportions and corresponding enthusiasm at the bowling alleys. All were glad to welcome President O'Mara again and pleased to note that his recent illness had not affected in the least his ability to make strikes and spares. Captain Traendly's voice is still in prime condition. The new balls won from Flatbush and Hoboken were put to work and one of them especially found its way very quickly to Alex. Burns' heart. He hopes to teach it the genuine cross-alley roll in time. Robert Kift dropped in with greetings from Philadelphia during the evening.

Player	1st	2d	3d
Hafner	180	125	116
Thielman	119	137	116
Bunyard	106	129	125
Traendly		165	190
Marshall		191	115
Schenck		122	147
Moody	164	132	130
Lang	141	154	139
Siebrecht	143	154	127
Shaw	112	118	101
Burns		151	126
Roehrs			148
O'Mara			180
Butterbach			103
Manda			138
Kift			146

FOR EASTER..

A full supply of all Standard Cut Flowers from responsible Growers Special Lilies, Beauties, Bridesmaids and Violets. Goods first-class and packing well done ..... Send for Price List.

WALTER F. SHERIDAN,
39 West 28th Street,
NEW YORK.

Telephone
902 Madison Square

Hart's Jacq's

They're good shippers. Always in it for Easter.

SEND AN EASTER ORDER

Hart's Violets

They're fresh.
Can give you a bargain on them.

TELEPHONE 325
MADISON SQ.

Hart's Lilies

Are as good as you can find.

M. A. HART

44 W. 29th St.,
New York.

Hart Himself

Attends to business and will treat you all right.

MAHONIA LEAVES,
The New Green.

$1.00 per 100.

MAHONIA LEAVES,
Exclusively Here.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS

And Dealers in All Kinds of

Florists' Supplies.

42 and 44 E. Randolph St. CHICAGO, ILL.

Address all mail or telegrams direct to the firm to insure promptness.

It pays to trade at HEADQUARTERS. We are the oldest, largest and most reliable commission house in the west. We have the best of facilities for filling the demands of our customers, and every order receives the closest attention; let us know your wants and we will supply them. **We have made a reputation for filling orders when others fail.** For Easter we expect a good supply of stock and we shall fill all advance orders, but trade is heavy, better than ever before, and we advise early orders. However, **whatever you want and whenever you want it, send to Kennicott Bros. Co.** Rest assured that if it is to be had we have got it; we think we represent more glass than any two commission houses in the west.

EASTER PRICE LIST.

Subject to Change Without Notice.

	Price per Hundred.
Am. Beauties, short	$10.00 to $12 50
Am. Beauties, medium	15 00 to 18.00
Am. Beauties, fancy, fair length	25 00 to 35.00
Am. Beauties, long	50 00 to 75.00
Meteors, extra select	8.00 to 10.00
Brides, Maids, extra select	6.00 to 8 00
Meteors, Brides, Maids, good average	5.00 to 7 00
Perles, extra select	4.00 to 6.00
Roses, our selection	4.00
Carnations, special fancy varieties	6 00
Carnations, choice	4.00 to 5.00
Carnations, good average	2.50 to 3.50

P. AND D. AT COST.

	Price per Hundred.
Carnations, our selection	$2.00
Violets and Pansies	$ .60 to $ .75
Valley, our specialty—the best	2 50 3 50
Smilax	12.50 to 15.00
Harrisii	12.50
Callas	12.50
Daffodils, single and double	2 00 to 4.00
Daisy, Forget-me-not	.75 to 1.00
Adiantum	1.00
Asparagus	per string, 50c to 75
Galax	per M, $1.25
Common Ferns	per M, 2.00

We are Agents for Fred Dorner & Sons' Carnation Cuttings; all New and Standard Sorts.

On Wire Work we undersell all competitors.

READ THIS! THE BUYERS' OPPORTUNITY

Having secured the entire product of a large number of leading growers for the New York trade, we are now prepared to fill shipping orders to any point with flowers of best quality at **prices exceptionally advantageous for the buyer.**

Lilies, Violets, Carnations, Tulips and general selection of Bulb Stock. Roses in every variety and grade and all green material are among the specialties which we can supply in quantity as desired. Flowers for

EASTER SHIPPING ORDERS

will be selected with careful judgment and packed by experienced handlers. In our Plant Department, we have a complete line of Potted Lilies, Violets, Azaleas, Spiræas and other standard Easter varieties. We solicit early correspondence with florists needing a *Reliable Easter Supply.*

GHORMLEY & PERKINS

Wholesale Commission Florists

Tel. 2200 Madison Square. **57 West 28th St., NEW YORK CITY.**

Buy Your Flowers Direct from the Grower

FOR EASTER we shall have a very large crop of AMERICAN BEAUTIES, all lengths of stems. Also a fine crop of BRIDES, BRIDESMAIDS and METEORS. *Carnations very scarce and very high.*

BULB STOCK AND EASTER LILIES.

The true **Bermuda Longiflorum Lilies.** These are the **largest** and **finest flowers.** We shall have 15,000 to 20,000, all selected, price $12.00 per hundred in lots of 100 or over. Per doz. $2.00 to $2.50.

Double Pink Tulips, very choice, $4.00 per hundred.
Single Tulips, Yellow, - - - 4.00 " "
" " **Novelty Pink,** - 3.00 " "
" " **Pure White,** - - 3.00 " "
Dutch Hyacinths, very choice, large spikes.
Lavender or **Pink,** - - - $4.00 per hundred.
White, - - - - - - 5.00 " "

Lily of the Valley, choice stock, $3.00 per hundred.
Asparagus, choice long strings, - .50 each.
" sprays, - - - 1.50 per hundred.
" Sprengerii, 18 to 20 in. long, 4.00 " "
Smilax, very choice, - $2.00 to $2.50 per dozen.
Common Ferns. We have 1,000,000 in cold storage. These are extra fine. - - $1.50 per thousand.

Our shipping facilities are the very best, and wherever possible our Easter orders will be sent direct from the greenhouses.

BASSETT & WASHBURN.

STORE: 76 WABASH AVENUE, CHICAGO, ILL.

GREENHOUSES: HINSDALE, ILLS.

...AN ANNUAL EVENT...

Easter Opening at Raynor's

The Order Sheet is Now Open.

If your name is not on it already send it along now. We can supply anything and everything that is produced for the Easter demand; everything that anybody else can offer and some other choice things besides.

System, promptness and ***STRICT ATTENTION TO OUT-OF-TOWN BUYERS*** have given us the ***largest Shipping Trade in this city for years.***

We pay especial attention to packing, and give you salable material at the same price that you have to pay elsewhere for low grade, badly handled flowers and inexperienced service.

Orders Placed with Raynor

will be filled with utmost care from the ***largest stock in the New York Wholesale Market.*** Write, telegraph or telephone.

John I. Raynor

WHOLESALE FLORIST

49 West 28th Street *NEW YORK*

SPECIALTIES FOR EASTER

..Place Your Orders Now..

We have to offer for Easter a fine assortment of Fancy Baskets, Pot Covers, Crepe Papers, Plant Stands, Jardinieres, Satin Ribbons, Folding Boxes, Bouquet-Pins, Cycas Leaves, Artificial Palms and Flowers, and everything desirable for Easter Trade.

Cut Flowers.

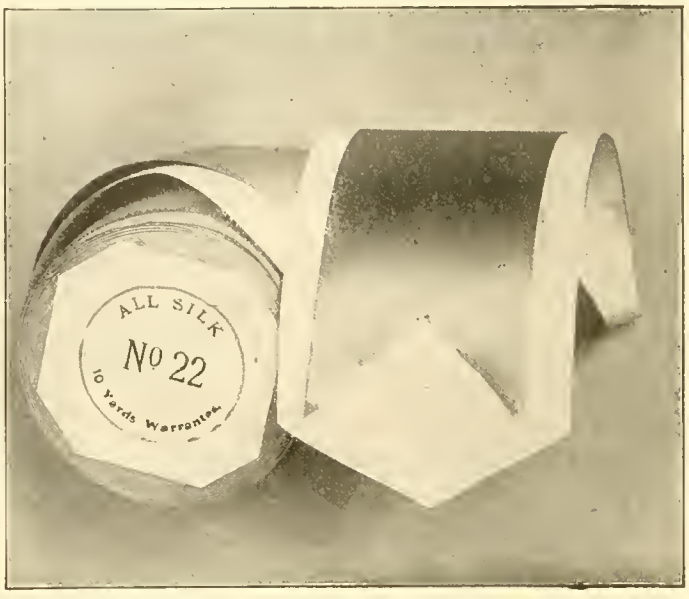
Our prices are as low as any dealer or grower.

Place your orders now on the following:

FANCY AM. BEAUTIES,
MAIDS, BRIDES,
METEORS, ORCHIDS,
SELECT CARNATIONS,
HARRISII LILIES,
LONGIFLORUM LILIES,
CALLA LILIES,
VIOLETS, MIGNONETTE,
VALLEY, TULIPS,
DAFFODILS,
HYACINTHS,
ROMANS,
FREESIA,
ETC., ETC.

If you want the best stock, and at lowest prices market conditions will allow, send your orders to us.

FLORISTS' RIBBONS.



Blooming Plants.

We have a fine lot of the following plants to offer:

	Per Doz.
Easter Lilies.	
Select plants	$7 to $8
Average plants	4 to 6
Calla Lilies,	
Select plants	4 to 5
Average plants	3 to 4
Spiræa plants	3 to 5
Azalea plants	12 to 18
Beauty Rose plants	4 to 5
Hybrid "	4 to 5
Rambler "	6 to 9
Hermosa "	3 to 4

We also have an immense stock of pot Tulips, Hyacinths, Narcissi, etc., etc.

All Plants Shipped via Express.

Cash with order to insure lowest prices.

WE have just received a very large importation of the finest grade Satin Ribbons; and offer a superior quality, all colors, for Easter, at the following low prices. Compare these prices with what you pay for cheap ribbons, and then bear in mind that we give you the best quality at these prices. This is a snap.

We have the following popular colors: White, cream, mais-yellow, regent-orange, lilac, heliotrope, pink all shades, nile-green, royal purple, violet, ruby—Am. Beauty, cardinal—Meteor, cerisette, remi, scarlet, black, in fact any shade you might need. Order your supply quick to insure filling from this stock. Per bolt, any colors, No. 5, 55c; No. 7, 75c; No. 9, $1.00; No. 12, $1.25; No. 16, $1.35; No. 22, $1.60; No. 30, $1.85; No. 40, $2.10; No. 60, $2.50; No. 80, $3.00.

For Everything You Need, Send Your Orders to

McKELLAR & WINTERSON,

45-47-49 Wabash Ave, CHICAGO.

IF YOU DO NOT RECEIVE OUR CATALOGUE AND PRICE LISTS, WRITE US.

BENTHEY & CO.

Wholesale and Commission Florists,

41 Randolph St., CHICAGO.

Cut Flowers FOR EASTER!

Try and give us your order for Easter as soon as possible to avoid being disappointed.

	Per 100
Harrisii and longiflorum Lilies	$10.00@$12.00
Callas	10 00@ 12.00
Am. Beauties, long	35.00@ 50.00
" medium	15.00@ 30.00
Maids, Briders	6.00@ 8.00
Meteors	6.00@ 8.00
Perles	5.00@ 7.00
Carnations	3.00@ 4.00
" fancy	4.00@ 6.00
Violets	1.00@ 1.25
Valley	4.00@ 5.00
Romans	2.00@ 3.00
Dutch	3 00@ 5.00
Daffodils	2.00@ 3.00
Tulips	3.00@ 5.00
Mignonette	1.00@ 3.00
Marguerite	1.00
Forget-me-not	1.00
Smilax	12.00@ 15.00
Adiantum	1.00
Ferns	Per 1000 $2 .25

Buy Boston Flowers.
GROWN COOL.
HIGH GRADE.

Prime Easter Stock.
CUT BLOOMS.
POT PLANTS.

25,000

EXTRA. BRUNNERS and LAINGS, **EXTRA.**
From $10.00 to $50.00 per 100.

LONGIFLORUMS CUT AND PACKED AT GREENHOUSES.
NO RE-HANDLING.

SPECIAL: Violets, Daffodils, Lily of the Valley, Hyacinths, Carnations, Callas. Best stock in New England.

A full line of Easter Baskets and all Florists' Supplies.

BOOKING ADVANCE ORDERS NOW.
WRITE FOR QUOTATIONS.

GEO. A. SUTHERLAND,

Telephone 1270. 67 Bromfield St., BOSTON, MASS.

Please mention American Florist when writing.

THOMAS YOUNG, Jr.

43 W. 28th Street, New York.

Calls the attention of Florists doing a High-Class Trade to an unequalled supply of Select Cut Flower Stock, such as

Gardenias, Lilacs, Hybrid and Moss Roses

and Fancy Grades of all Standard Varieties of Roses, Carnations, Violets, etc., called for by Critical Buyers at Easter . . . . . Everything in Seasonable Plants and Cut Flowers

ESTABLISHED 1879

Goods You can Depend Upon

Please mention the American Florist when writing.

PETER REINBERG.

Largest Grower...

—OF—

Cut Flowers

IN AMERICA.

500,000 SQUARE FEET OF GLASS.

51 Wabash Avenue, CHICAGO.

EASTER
PRICE LIST

To take effect Tuesday, April 10th.

	Per Doz.
Am. Beauties, long	$5 to $6
medium	2.50 to 3
short	1.50 to 2
Per 100	
Meteor	$6 to $10
Bridesmaid	6 to 10
Bride	6 to 10
Perle	5 to 6
Golden Gate	10 to 12
Carnations	3 to 4
fancy	5
Valley	4 to 5

Quotations subject to change without notice.

All other stock at lowest market prices.

No charge for packing.

Your Easter Order, Please!

We have the record of the best Lilies that were sent out from Boston last year. We have the stock from the same grower this year.

30,000 - LONGIFLORUMS - 30,000

We meet all competition on prices and you will have to pay no more for this extra stock than will be charged by growers distributing poor and badly packed material.

Also a heavy supply of all Bulbous stock, *Roses, Carnations, Violets, Asparagus, Lily Plants, low grown, Azaleas and Spiraeas.* Send for Prices.

N. F. McCARTHY & CO., 84 Hawley St., BOSTON, MASS.

N. B.—Auction Sales for 1900 will begin on April 20th.

FOR EASTER

Fine Longiflorums **The Boston Kind**

New England Florists have the ***best line of Easter Customers in the world*** and we are prepared to supply the demand with the right sort of stock.

We have inspected the stock of our growers and pronounce it first class. The roses will be unexcelled. ***Carnations from our Consignors took most of the first prizes*** at the Spring Show in Boston last week All bulbous stock as good as usual.

We are calculating on a ***big rush*** and earnestly recommend that orders be placed early. ***Write now.***

WELCH BROS.,

CITY HALL FLOWER MARKET,

15 Province Street, BOSTON, MASS.

THE BEST THE BEST

CARNATIONS

Our Specialty Always.

MARKET RATES

Maids Perles

E. C. AMLING,

32-34-36 Randolph St., CHICAGO.

WALTER S. HEFFRON, MANAGER.

Brides Meteors

MARKET RATES

BEAUTIES

VALLEY VIOLETS

THE BEST THE BEST

Weiland & Risch

Announce that on April 2nd, they will open a wholesale Cut Flower store at 59 Wabash Avenue, Chicago, where they will dispose of the cut of their establishment at Evanston, Ill. They are wholesale growers and have all the fancy and standard varieties of roses and carnations. They will have large quantities of stock for Easter and their treatment of buyers will be such as to ensure continued patronage. Their methods are strictly up-to-date and their place of business is the first of its kind to be established upon the street floor in Chicago.

ALL STOCK AT MARKET RATES. L. D. TELEPHONE CENTRAL 879.

You Can Make Money at Easter

BY ORDERING FROM

JOHN YOUNG

Wholesale Commission Florist. 51 West 28th Street, New York.

Selling Agent for many of the most noted growers. Exclusive control of **C. W. WARD'S CELEBRATED COTTAGE GARDENS CARNATIONS.** The only place in New York where Carl Jurgens' Standard Lily of the Valley, Daffodils, Tulips, and other bulb stock can be bought. Secure your supply of Lilies, Roses and Violets by ordering now.

CAN SUIT YOU ON PRICES.

WRITE FOR THEM.

J. B. DEAMUD,

Wholesale

Cut Flowers,

51 WABASH AVE., CHICAGO.

EVERYTHING IN SEASON.....

LET US SUPPLY YOUR SHORTAGE.
LET US HANDLE YOUR SURPLUS.

THE FORD

BRAND OF LILY WILL HELP YOU TO MAKE

For Easter the best preparation;
They'll make customers glad
And competitors sad,
And Insure you a good reputation.

WE WANT YOUR EASTER ORDER

EARLY

QUOTATIONS READY
WRITE NOW

Ford Bros.,

111 W. 30th Street,
NEW YORK.

200,000 VIOLETS

BIG FELLOWS FROM UP THE HUDSON

THERE'LL BE ROOM IN THE BOX FOR SOME TULIPS

NO BETTER GROWN

Jacqs and Beauties

Carnations

ARE SCARCE BUT WE CAN SUPPLY YOU

Roses...

THE CROP IS NOW ON AND THE BUYER HAS THE ADVANTAGE

Smilax and Adiantums

Again the Japanese

A two-days' Auction Sale of

Dwarfed and Curious Products of the Japanese Gardeners' Art.

◆◆

Just in time for those who appreciate the value of a few such gems in the Easter window display. As a special attraction nothing can equal these interesting novelties.

Sales on April 11th and 12th at 2 P. M., and Descriptive Catalogues can be had free by addressing

CLEARY & CO.,

Horticultural Auctioneers,

60 Vesey Street, NEW YORK.

HEADQUARTERS FOR

Paeonias and Iris.

	Per 100	Per 1000
Paeonias,		
25 choice named sorts	$10.00	$90.00
Fine mixed	8.00	75.00
Japanese Iris,		
12 choice named	6.00	50.00
German Iris,		
12 superb named	3.50	30.00
Mixed	3.00	25.00
Dwarf Iris,		
(Nudicaule)	3.00	25.00
Hollyhocks,		
New Allegheny, strong, full-grown roots	10.00	
Golden Glow,		
	2.00	15.00

J. T. LOVETT,

LITTLE SILVER, NEW JERSEY.

Please mention the American Florist when writing.

2½ in. Beauties shifted from 2 in.

We believe in shifting Young Roses often. All stock offered in 2½ in. Pots has been shifted from 2 in., and is equal to most stock advertised as 3 in., and when we send it out is well established. Write GEO. A. KUHL, Pekin, Ill.

Above Lot of Beauties ready to ship April 10th.

The Most Important Thing

To consider in buying Cut **Easter Lilies** is quality, not the price. Poor Easter Lilies are dear at any price. As in former years we will again have A No 1 Easter Lilies (Longiflorum but no Harrisii). It is still too early to set a price on Lilies, but you may be sure that we will bill them at the right price as we do with everything.

Of course you understand that we have everything in the flower line, such as Roses, American Beauties, Carnations, Valley, Violets (our violets are the finest grown) Smilax, Daffodils, Tulips, Romans, Paper Whites, Asparagus, etc, etc.

FAVOR US WITH YOUR EASTER ORDER.

HOLTON & HUNKEL CO., Milwaukee, Wis.

Easter Orders entrusted to us will be filled right.

YOUNG & NUGENT,

WHOLESALE

Commission Florists.

SUPERB VIOLETS.

ORCHIDS, ROSES, CARNATIONS.

42 West 28th Street,

Telephone 2065 Madison Sqr. NEW YORK CITY.

ATTENTION GROWERS

We are looking for consignments of Carnations and all kinds of cut flowers. We render daily reports of sales with remittance. We also credit you with any stock that may be carried over on next day's sales. We guarantee fair dealings to all. Send us a shipment and see what we can do for you.

HUDSON & CO., 1527 Pine St., St. Louis, Mo.

When writing mention American Florist.

WHY BECAUSE

does a hen cross the street? To get on the other side.
People are crossing Sixth Avenue every day who never crossed it before.

J. K. Allen is now on the other side and The Trade follows his sign.

J. K. Allen's Label

ON A BOX OF

Easter Bridesmaids, Jacqs., Tulips, Violets, Mignonette, Valley,

LILIES OR ANYTHING ELSE

Stands for Quality, Freshness and Careful Packing, and the Bill inside STANDS FOR FAIR PRICES.

You get all this when you order from

J. K. ALLEN,

106 28th Street, NEW YORK CITY.

Price Lists are ready. Telephone, 167 Madison Sq.

Wietor Bros.

51 WABASH AVE., - CHICAGO, ILL.

WHOLESALE GROWERS OF CUT FLOWERS.

Flowers FOR Easter.

ROSES,
CARNATIONS,
LILIES, ETC.

Wholesale Price List.

Am. Beauty, ex. long,	per doz.,	$5.00 to	$6.00
" 24-in. stem,	"	3.50 to	4.00
" 20 "	"	2.50 to	3.00
" 15 "	"	1.50 to	2.00
" 12 "	"	1.00 to	1.50
" 8 "	"	"	1.00
Meteor	per 100,	$4.00 to	8.00
Bridesmaid	"	6.00 to	8.00
Bride	"	6.00 to	8.00
Perle	"	3.00 to	5.00
Carnations	"	3.00 to	4.00
" fancy	"		5.00
Harrisii Lilies	"	12.00 to	15.00

All other stock at lowest market prices. No charge for packing.

SUBJECT TO CHANGE WITHOUT NOTICE.

It's Up To You Don't Sit Down

and worry about your Easter trade. This will be a BIG EASTER and at the prices we are quoting you can use a big lot of flowers and make a big profit on them.

We have the kind your customers want. The best Longiflorums in the country. Every flower salable. A tremendous line of bulb stock and violets and no advance in prices. We have a rose bargain for the early applicant. We are ready and

IT'S UP TO YOU.

Traendly & Schenck, 38 W. 28th Street, NEW YORK.

It has all the Habits, Grace and Fragrance of

The American Beauty,

(of which it is a Sport)

But has the Fine

PINK COLOR

of Mad. Testout.

Who is the "Queen of Edgely?"

IT IS THE FAMOUS NEW ROSE, THE **Pink American Beauty,**

Which has been so favorably received at the Exhibition of the AMERICAN ROSE SOCIETY, EDEN MUSEE, N. Y., March 27, 28, 29, 1900, where it won the only distinction to which, as a newcomer, it was eligible, viz., . . .

A CERTIFICATE OF MERIT.

This is what the New York press has to say about it:

Herald: "There was the new American Beauty, a rose as large and as well formed as its darker sister, and of a delicate pink color. Many of the patronesses stopped before the great clusters of this new flower and expressed the greatest admiration for its beauty and its gracefulness. There are many who regard it as more beautiful than the well known rose from which it has been developed."

Times: "The novelty of the exhibition was the long-looked-for pink American Beauty, of which so much has been said, and which has never been shown before. Its history is an interesting one, and shows how fortunes come accidentally to the rose grower as they do to some other toilers. Four years ago, in a house devoted to the propagation of American Beauties, at Edgely, Pa., by the Floral Exchange Company of Philadelphia, a freak made its appearance. To rose growers it was called a 'sport,' and its growth was carefully watched. Soon a small pink bud made its appearance, the only blonde in that houseful of lovely brunettes. Modestly it unfolded, and then its growth for four years under special conditions was as carefully looked after as the most delicate child. It grew and thrived, and last night the queenly blonde received homage from her courtiers. The American Rose Society awarded it a certificate, which means that she is lovely as well as a debutante. She will not stoop to trade until next spring, when in the busy marts she will vie for favor with her brunette sister. All this is the result of an accident that even the growers do not attempt to explain. It was their rare luck, they say, that is all."

World: "The Queen of Edgely, a cousin to the American Beauty, has created a furore. Mrs. Morris K. Jesup, Mrs. John Trevor, Mrs. A. H. Joline, have all sworn allegiance to the reigning sovereign, which bids fair to hold unquestioned sway. The rose is of a pale pink hue, infinitely soft in effect in decoration. It is a baby queen, a novelty, without a rival, and therefore not eligible for a prize."

Sun: "A vase of huge pink Queen of Edgely roses, the biggest rose shown and a variety of the American Beauty."

This Rose we can strongly recommend, and we will be ready to distribute it, SPRING 1901.

Address all communications to Office of

THE FLORAL EXCHANGE, Incor.,

335 North 6th St., Philadelphia, Pa.

DREER'S SPECIAL OFFER OF SEASONABLE PLANTS.

PALMS

Young stock for growing on, in prime condition to make a fine growth during the summer months.

Areca Lutescens

	Per doz.	Per 100	Per 1000
2 inch pots, 6 to 8 inches high	$0 75	$ 6 00	$ 50 00
3 " " 10 to 12 " "	1 25	10 00	90 00
4 " " 15 to 18 " "	3 00	25 00	240 00
5 " " 18 to 20 " " 3 plants in a pot	5 00	40 00	

Caryota Urens and Sobolifera

	Per doz.	Per 100
2¼ inch pots, 6 inches high	$1 00	8 00
3 " " 8 to 10 " "	1 25	10 00

Cocos Weddeliana

	Per doz.	Per 100
2¼ inch pots, 4 to 6 inches high	1 25	10 00

Cocos Plumosus

	Per doz.	Per 100
2¼ inch pots, strong plants	1 00	8 00
3 " " " "	1 25	10 00

Kentia Belmoreana

	Per doz.	Per 100	Per 1000
2¼ inch pots, 3 to 4 leaves, 8 inches high	2 00	15 00	125 00
3 " " 4 to 5 " 10 to 12 inches high	3 00	25 00	200 00
4 inch pots, 5 to 6 leaves, 12 to 15 inches high	4 50	35 00	325 00

Kentia Forsteriana

2¼ inch pots, 3 to 4 leaves, 8 inches high. Per doz........$ 1 50
Per 100.................... 12 00
Per 1000.................... 100 00
3 inch pots, 3 to 4 leaves, 12 inches high. Per doz........$ 2 50
Per 100.................... 20 00
Per 1000.................... 190 00

Latania Borbonica

2¼ inch pots, 3 leaves.
Per doz....................$ 0 60
Per 100.................... 4 00
Per 1000.................... 35 00

Livistonia Rotundifolia

2 inch pots. Per doz......$ 1 25
Per 100.................... 10 00
Per 1000.................... 90 00
3 inch pots. Per doz...... 2 00
Per 100.................... 15 00
Per 1000.................... 125 00

Phoenix Rupicola

2 inch pots. Per doz...... 1 00
Per 100.................... 8 00
Per 1000.................... 75 00
3 inch pots. Per doz...... 1 25
Per 100.................... 10 00
Per 1000.................... 90 00

The above sizes are leaders, of which we have a large supply, and with which it will pay you to fill up any vacant room that you may have after Easter. For a full line of all sizes, see our Quarterly Wholesale List which has just been issued.

SEASONABLE BULBS

Tuberous Rooted Begonias

	Per doz.	Per 100	Per 1000
Singles in separate colors	$0 40	$ 2 50	$20 00
Singles in choice mixture	35	2 00	18 00
Doubles in separate colors	65	5 00	40 00
Doubles in choice mixture	50	4 00	35 00
New Frilled Begonia, 25c. each	2 50	20 00	
New Sun Proof Begonia, Duke Zeppelin	2 00	15 00	

Gloxinias

	Per doz.	Per 100	Per 1000
A select strain of Erect flowering varieties, either in separate colors or in choice mixture	$ 50	4 00	30 00

Caladiums, fancy leaved

	Per doz.	Per 100
A choice assortment of 25 distinct varieties; Strong bulbs	2 00	15 00

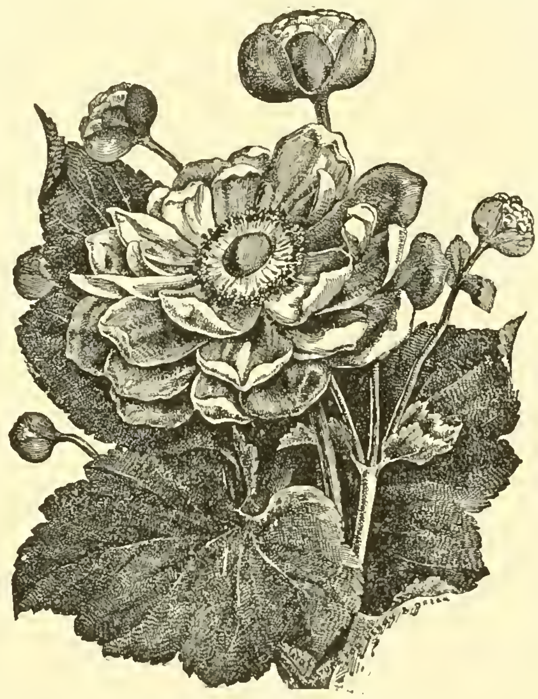
Caladium Esculentum

Fine sound bulbs.

	Per doz.	Per 100
6 to 8 inches in circumference	50	4 00
8 to 10 " "	75	6 00
10 to 12 " "	1 00	8 00
12 to 13 " "	1 50	10 00

Dahlias

	Per doz.	Per 100
The finest varieties known, in Show, Fancy, Quilled, Cactus and Single	1 00	8 00


ANEMONE QUEEN CHARLOTTE.

Montbretias

Seven finest varieties.
Per doz....................$ 25
Per 100.................... 1 75
Per 1000.................... 15 00

Tigridia, Conchiflora, Grandiflora and Pavonia Grandiflora

Per doz....................$ 30
Per 100.................... 2 00

Also a full line of Gladiolus, Lilies, Amaryllis, Tuberoses, etc.

LEADERS in PERENNIAL PLANTS

Varieties Specially Suited for Summer Cut Flowers

Anemone Japonica, Queen Charlotte. 2¼ inch pots.
Per doz.....$1 25 Per 100..$10 00
Anemone Japonica, in variety. 2¼ inch. Per doz........ $ 75
Per 100.................... 5 00
Achillea, The Pearl. 2¼ inch pots. Per doz............$ 50
Per 100.................... 4 00
Boltonia Asteroides. Strong divisions. Per doz..........$ 75
Per 100.................... 6 00
Boltonia Latisquama. Strong divisions. Per doz.........$ 75
Per 100.................... 6 00
Coreopsis Lanceolata Grandiflora. Large clumps.
Per doz...$ 75 Per 100..$ 6 00
Delphinium Formosum. Strong one year old.
Per doz...$ 75 Per 100..$ 6 00
Delphinium Chinensis. Strong one year old. Per doz... $ 75
Per 100.................... 6 00

	Per doz.	Per 100
Delphinium Belladona. Strong, 2½ inch pots	$ 2 00	$15 00
" Frau Emma Metzger. 3 inch pots	2 50	20 00
Doronicum Austriacum. Strong clumps	1 00	8 00
" Excelsum. " "	1 25	10 00
Gypsophila Paniculata. Strong one year old	75	6 00
Helenium Pumilum. Strong divisions	1 25	10 00
Helianthus Multiflorus Fl. Pl	75	6 00
" " Maximus	75	6 00
Heliopsis Scaber. Strong divisions	75	6 00
" " Major. 2¼ inch pots	1 00	8 00
Hollyhocks, Dreer's Superb Double. Strong one year clumps in separate colors	1 25	10 00
" " " " choice mixture	1 00	8 00
Hypericum Moserianum. Two year old plants	1 00	8 00
Iris Kaempferi. Choice named, strong divisions	1 50	10 00
" " " mixed. "	1 00	8 00
Lychnis Vespertina Alba. Strong clumps	2 00	15 00
" Viscaria Splendens. Strong divisions	1 25	10 00
Phlox. Finest 25 varieties in America, 2 inch pots	75	5 00
Physostegia Virginica. Strong divisions	75	6 00
" " ALBA. Strong divisions	75	6 00
Pyrethrum Hybridum, seedlings, strong clumps	1 00	8 00
" " " 3 inch pots	75	6 00
Rudbeckia Golden Glow. Large clumps	1 25	10 00
" " " Strong divisions	50	3 00
Scabiosa Caucasica. 3 inch pots	1 25	10 00
" " Alba. 3 inch pots	1 25	10 00
Tritoma Uvaria Grandiflora. Strong clumps	1 50	12 00
" " " " divisions	75	6 00
" Pfitzeri " "	1 50	10 00
Veronica Longifolia Subsessilis. Strong clumps	2 00	15 00
" " " 2¼ inch pots	50	4 00

Fine FERNS for Immediate Use.

Adiantum Farleyense

4 inch pots. Per doz.......$ 5 00
Per 100.................... 40 00

Adiantum Cuneatum

	Per doz.	Per 100	Per 1000
2¼ inch pots	$ 0 50	$ 3 50	$ 30 00
3 " "	75	6 00	50 00
5 " "	2 00	15 00	140 00

	Per doz	Per 100
Adiantum Gracillimum. 4 inch pots	$1 50	$12 00
" Pubescens. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
Aspidium Tsussimense. 2¼ inch pots	50	4 00
" " 3 " "	75	6 00
Doodia Aspera Multifida. 3 inch pots	75	6 00
Lastrea Chrysoloba. 3 inch pots	75	6 00
Nephrodium Hertipes. 3 inch pots	75	6 00
Nephrolepis Cordata Compacta. 3 inch pots	75	6 00
" " " 4 " "	1 25	10 00
Pteris Adiantoides. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
" Argyrea. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
" Magnifica. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
" Ouvrardi. 3 inch pots	75	6 00
" Serrulata Cristata. 3 inch pots	75	6 00
" Tremula. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
Mixed Ferns in choice variety. 2¼ inch pots	50	3 50
" " " " " 3 " "	75	6 00

For a complete list of Perennials, as well as all other seasonable stock, please refer to our Current Quarterly Wholesale List which has just been issued. If not already received, send for a copy.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

SEASONABLE STOCK FOR SPRING PLANTING.

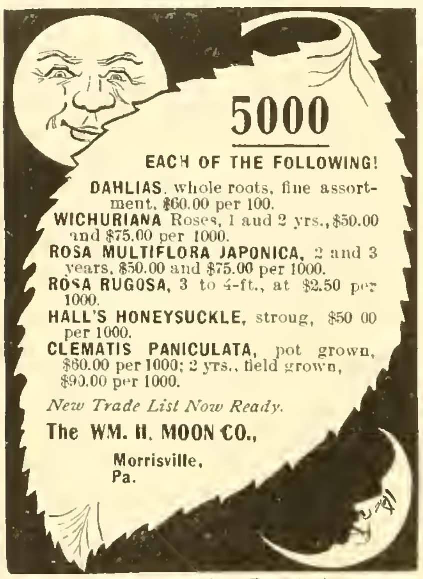
CLEMATIS, large flowering. Jackmanni, purple; Superba, grand improvement on Jackmanni; Grand Duchess, splendid white; Marvel, snow white; Mme. Andre, red; Ramona, lavender; Gen. Grant, crimson; Henryi, large white; Star of India, purple, red bared; Gypsy, maroon; Duke of Norfolk, blue; Countess of Lovelace, double lavender; Princess, blue and white; Duchess of Edinburgh, double white; Kermesina, red; Mme. B. Veillard, pink; Gen. Wolseley, lavender and red; Belle of Woking, beautiful double blush, 30c each; $3.00 per dozen; $20.00 per 100. 25 at 100 rates, all strong growing plants.

H P. ROSES. Own roots, strong, 2-year dormant plants in 10 leading kinds, $1.50 per dozen; $10.00 per 100. H. P. strong 2-year of above grown in 4-inch pots for later planting, $1.50 per doz.; $12.00 per 100. Young plants for planting out, $4.00 per 100; $36.00 per 1000 A fine stock of Crimson and Yellow Ramblers, $1.50 per dozen. **Mo thly roses fr m 4-in. pots,** 20 kinds including Malmaison, Agrippina, etc., $1.00 per dozen; $8.00 per 100.

PAEONEIS, herbaceous, in 10 best market sorts named, all double in distinct colors from pure white to crimson, $1.50 per dozen; $10.00 per 100; all white, $15.00 per 100.

DOWNING GOOSEBERRIES the best proved market sort, 10 tons of ruit sold from my own grounds last season, strong 2-year, $2.50 per 100; $20.00 per 100.

F. A. BALLER, Bloomington, Ill.



Please mention the American Florist when writing.

SUGAR MAPLES.

	Per 100	Per 1000
Sugar Maples, nursery grown, transplanted, good trees, 7 to 9 ft	$10.00	
4 to 6 ft	4.00	$30.00
about 3 ft	3.00	20 00
Soft Maple Seedlings, nur. gr.. 2 to 4 ft..	.75	4.00
Hemerocallis Flava (Lemon Lily)	3.00	
" Thunbergii, late, fine	3.00	
White Amaryllis (Ismene Calathinum) str.	10 00	
Madeira Vine, No 1	1.50	
" " No. 2	1.00	
" " No. 3	.50	

☞ Packing trees at cost. Cash please.

E. Y. TEAS, Greens Fork, Ind.

COLEUS

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c per 100; 2-in. pots, $1 50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in. pots $1.25 100.
AGERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾-in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100.
HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot, $1 50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS $1.50 per 100. 2½-in. pots, $2 50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.
VINCAS, $1 25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M Fine plants.
The above are rooted cuttings, except when noted.
CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

R. C. CARNATIONS, Closing Out Prices.

	Per 100		Per 100
Mrs. Thos. W. Lawson	$12.00	Flora Hill	1.00
Olympia	12.00	America	3.00
Genevieve Lord	9.00	Melba	2 00
John Young	1.00	Glacier	2 50
White Cloud	2.00	Maud Adams	2.00
Mrs. G. Bradt	3.00	Empress	.75
Gold Nugget	2.00	Psyche	.75
Argyle	.75	Mary Wood	3.00
Armazindy	.75	Morning Glory	6.00

UNROOTED CARNATION CUTTINGS.

	Per 100		Per 100
G. H. Crane	2.00	Flora Hill	.50
Glacier	1.50	Mary Wood, fine	1.50
Mrs. G. Bradt	1 50	White Cloud	1.00
Melba	1.50	America	1.75
Gold Nugget	1.00		

ABOVE UNROOTED CUTTINGS PREPAID BY MAIL.

PLANTS, All Good Stock.

	Per 100			Per 100
Geranium De Roo Mitting.......2¼-inch...	$ 7.00	Begonias, flowering, named, 12 var...	2¼-in.	1.50
" Double Snow Drop.... "	7 00	Forget-Me-Not, winter flowering	"	1.50
New Yellow Baby Primrose in bloom, 2¼-in.	7.00	Iresines, red and yellow	"	1.50
Geranium Mme. Salleroi.........2¼ inch...	2.00	Mesembryanthemum, basket plant...	"	1.50
" named, our selection only, 2¼-in.	2.00	California Moss..... " "	"	1.50
Coleus, named, 2¼-in	1.50	Lobelia, blue bloom, " "	"	1.50
Petunias, double mixed, 2¼-in	2 00	Feverfew, Little Gem and yellow foli.	"	1.50
" " " 3-in	3.00	Cigar Plant	"	1.50
Primula Obconica in bloom, 3½-inch	3.00	Abutilons, mixed	"	1.50
" Chinese " "	2.50	Roses, Bride, Bridesmaid and Pearl,	"	2.00
" " 2¼-inch	1.00	Salvia Clara Bedman	"	1.50
" " from flats	.50			

THE MORRIS FLORAL CO., Morris, Ill.

I HAVE A FINE STOCK Of Pears, Apples, Cherries, Quinces, Peaches, Plums, many in bearing sizes; 20 000 Shade Trees, all kinds and sizes; 500 Lindens, 10 to 16 feet; 300 Golden Oaks, 8 to 16 feet; 15 000 Evergreens, 2 to 10 feet; 10 000 Shrubs, 2 to 5 feet; 20,000 California Privet, 2 to 4 feet; 2000 Colorado Blue Spruce 2 to 4 feet; 3000 Arbor Vitæ Trees, 2 to 7 feet; 10,000 Hardy Roses. Crimson, Yellow and White Ramblers x strong, own roots; 1200 Purple Beech, 4 to 9 feet; Clematis, x strong, Grape Vines, Asparagus, Rhododendrons, Azaleas, 2 to 3 and 4 feet.
Florists, Landscape Architects, Superintendents of Parks, or any others wanting stock should call on me or write,

STEPHEN CRANE, Proprietor Norwich Nurseries, **Norwich, Conn.**

10,000 Common Double Pink Paeonies	per M.,	$20.00
5,000 Herbaceous Paeony Humeii	"	40.00
10,000 Hemerocallis Fulva	"	20.00
10,000 German Iris, Named Varieties	"	15.00

ELLIOTT NURSERIES, Diamond Market, Pittsburg, Pa.

MAPLES at ½ PRICE

SILVER OR SOFT.	Per 10	Per 100
9 to 10 feet, 1¼ inch diameter	$1.00	$6 00
10 to 12 feet, 1¼ to 1⅛ inch diameter	1 00	7.50
12 to 14 feet, 1⅛ to 1¾ " "	1 50	10.00

Other sizes up to 6 inches Prices or Catalogue mailed free.

Norway, Sugar and other Maples, Oaks, Oriental Planes, etc. Japanese and other Rare Evergreen Trees

NEW SHELLBARK Hickory Nut, "HORNOR'S SPECIAL," 10 acres in orchard; straight, handsome Nursery grown Trees, 5 to 6 feet. **CHAS B. HORNER & SON, Mount Holly, Burlington Co., N. J.**

IRISH AND SWEDISH Juniperus

	100	1000
6 to 9 inches, transplanted	$ 5.00	$40.00
9 to 12 " "	6.00	50 00
12 to 15 " "	7.00	60 00
15 to 18 " "	8 00	75.00
18 to 24 " "	10 00	
24 to 30 " "	13.00	
30 to 36 " "	15.00	
15 to 18 Savin Junipers	6.00	

Rooted Cuttings ready May 20

Roses, clean, healthy plants from 2-inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, Bridesmaid, La France, Albany, Wootton and Testout. One year old dormant pot grown Wootton, $5.00 per 100. Ismene Calathinum, white summer blooming Amaryllis, strong bulbs, first size, $12.50 per 100; second size, $10.00 per 100.

JOSEPH HEINL, Jacksonville, Ill.

NEW MARGUERITE A Great Novelty for 1900.

A cross between the yellow and white, is a constant bloomer, flowers four to five inches in diameter, fine for cut flowers, will keep for two weeks after being cut. Center half yellow, outer half pure white. Makes a fine pot plant. Will send free by mail 12 plants for $1.25; 6 plants 75c. Order now if you want it.

S. LENTON, Long Beach, Cal.

New

DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-in. pots.

Hardy Herbaceous Perennials our SPECIALTY.

Send for price list.

Norwood Nurseries,
Rea Brothers. NORWOOD, MASS.

Ampelopsis Veitchii, 2 yr. strong	Per 100	$ 7.00
Clematis Jackmanni, 2 yr. extra strong,	"	14.00
Standard Hydrangea P. G., 3—3½ ft	"	18 00
" Lilacs, assorted, 3—4 ft	"	10.00
" Japan Snowball, 3½—4 ft	"	18.00

These prices are good only until surplus is reduced. SEND FOR LIST OF OTHER STOCK—Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees.

JACKSON & PERKINS CO., NEWARK, NEW YORK

THE ELIZABETH NURSERY COMPANY.

60,000 CLEMATIS PANICULATA. Field Grown.

	10	100	1000
Clematis Paniculata, No. 1, first-class	$1 00	$8 00	$70 00
" " No. 2	80	6 00	50 00
" " No. 3	60	5 00	40 00
Clematis Paniculata, X size	$1 25	$10 00	$80 00
" " XX size	2 00	15 00	

135,000 AMPELOPSIS VEITCHII. Field Crown.

	10	100	1000
Ampelopsis Veitchii, 2 and 3 years, field grown.			
No. 1	$0 80	$6 00	$50 00
No. 2	65	5 00	45 00
No. 3	50	4 00	35 00
Ampelopsis Veitchii, 2 and 3 years, field grown.			
1 year	$0 30	$2 00	$15 00
X size	1 00	8 00	75 00
XX size	1 25	9 00	85 00

187,000 CALIFORNIA PRIVET. In All Sizes.

	100	1000
California Privet, 10 to 15 inches	$1 80	$12 00
" " 15 to 18 "	2 00	18 00
" " 18 to 24 "	2 50	22 50
" " 2 to 3 feet	3 50	30 00
California Privet, 2 to 3 feet, heavy	$4 00	35 00
" " 3 to 3½ feet	4 50	40 00
" " 3 to 4 feet, heavy	5 50	50 00

BARGAINS.

	Per 100
Eulalia Gracillima, per 1000	$15 00
Eulalia Zebrina, per 1000	30 00
	Per 100
1000 Spireas, assorted, 2 to 3 feet	30 00
Daphne Cneorum	12 00
500 Altheas, single X fine	5 00
Yucca Filamentosa	$5 00
Crataegus Oxyeantha—Single White Thorn, 2 to 3 ft.; 3 to 4 ft.; 5 to 6 ft.; and 6 to 8 ft.	$5 00 to $15 00
3000 Francois Levet Rose, No 1, 2 to 3 ft. own roots	7 00
Francois Levet, second size, own roots	5 00
Felicite Perpetue, 2 to 3 feet	Per 100 6 00
Paeonias, Paul Neyron, very large pink	5 00
Paeonias, 50 named varieties	10 00
15 varieties of fieldgrown Phlox	5 00
Phlox Subulata, XX fine	6 00
Iris, blue and white	2 00

250,000 Roses in 2-inch Pots. Send List of Varieties Wanted.

ROSES.

In 3 and 4 inch pots, $1.20 per 10; $10.00 per 100.

75 Alfred Colomb
250 Anne de Diesbach
150 Baltimore Belle
175 Baron de Bonstettin
50 Beaute Inconstant
95 Climbing White Pet
150 Clio
125 Clothilde Soupert
225 Coquette des Alps
80 Coquette des Blanches
45 Countess C. de Chabrilliant
1000 Crimson Rambler
100 Duchess of Albany
75 Etoile de Lyon
175 Empress of China
50 Felicite Perpetue
100 Fisher Homes
700 Francois Levet
200 Gen. Jacqueminot
40 Gen. Robt. E. Lee
50 Gen. Pernet
50 Gloire de Polyantha
40 Henry Martin
70 John Hopper
15 Jules Margottin
175 La France
48 La Reine
95 Mad. Abel Chatenay
135 " Caroline Testout
45 " Francis Krueger
40 " Cecil Brunner
75 " Gabriel Luizet
25 " Masson
40 " de Watteville
1000 Magna Charta
100 Maman Cochet
35 Manda's Triumph
80 Marchioness of Lorne
135 Marechal Niel
150 Marie Guillot
50 Marie Rady
65 Marion Dingee
75 Marshall P. Wilder
150 Mary Washington
40 Mignonette
90 Moselle
50 Mrs. Degraw
75 Mrs. John Laing
130 Mrs. Lovett
225 Niphetos
40 Papa Gontier
50 Parquette
825 Paul Neyron
50 Perle des Blanches
200 Perle des Jardins
25 Pink Daily
230 Pink Rambler
150 Pink Soupert
120 Prairie Queen
145 Prince Camille de Rohan
75 Princess Adelaide
50 Queen's Scarlet
50 Rainbow
500 Rosa Laevigata
100 Russell's Cottage
75 Seven Sisters
60 Snowflake
115 Souv. du Pres. Carnot
75 Souv. de Wootton
75 Tennessee Belle
30 The Queen
50 Universal Favorite
250 Ulrich Brunner
190 Vick's Caprice
60 Victor Verdier
75 Wichnuriana
55 White Maman Cochet
40 White Pet
100 White Rambler
100 White La France
60 White Perle
50 W. N. Cranston
70 other varieties in small quantities

In 3 and 4 inch pots, $1.60 per 10; $15 per 100.

190 Champion of the World
280 Child's Jewel
150 Climbing Meteor
140 Hallowe'en
180 Highland Mary
270 Kaiserin Augusta Victoria
180 Mrs. Robt. Garret

	Per 10.	Per 100.
Caryopteris Mastacanthus, 2 feet, strong field grown		$ 9 00
" " 18 inches to 2 feet		7 00
Clethra Alnifolia 2 to 3 feet		5 00
" " 3 to 4 feet		7 00
Deutzia crenata and Pride of Rochester 2 to 3 feet		5 00
" " " " " " 3 to 4 feet		6 00
Hydrangea P. G. 8 to 10 inches 1 year. Per 1,000 $18.00		2 00
" " 18 inches to 2 feet		7 00
" " 2 to 3 feet		9 00
" " 3 to 4 feet		15 00
Jasmine, white and yellow, 18 inches to 2 feet		5 00
" " " " strong		7 00
Maple, Norway, X straight, fine for transplanting 6 to 8 feet		7 50
	Per 10.	
Maple, Japan Acer Japonicum Atropurpureum 12 to 18 inches	$2 50	20 00
" " " " " 18 to 24 "	3 00	25 00
" " " " " 2 to 2½ feet	6 50	
" " " " " 2 to 2½ " light	3 50	
" " " " Dissectum 12 to 18 inches	2 50	20 00
" " " " " 18 to 24 "	4 00	
" " " " " 2 to 2½ feet	7 00	
" " " " Polymorphum 2 to 3 feet light	1 00	
" " " " Sanguineum 12 to 18 inches	2 50	
Magnolia Glauca, 3 to 4 feet		4 00
" Hypoleuca, 12 to 18 inches		3 00
" " 1½ to 2 feet		5 00
" Parviflora, 12 to 18 inches		4 00
" " 1½ to 2 feet		5 00
" Purpurea, 3 feet heavy		3 50
" " 4 " "		4 50
" Stellata, 1 to 1½ feet		3 50
" " 1½ to 2 " bushy		6 00
" Soulangeana. All sizes priced on application.		
Bignonia radicans, strong		5 00
Matrimony vine strong		7 00
Virginia Creeper (Ampelopsis Quinquefolia) two years strong $45.00 per 1,000		5 00
" " good plants, $30.00 per 1,000		4 00
Wistaria white, 3 years		10 00
" " 2 "		8 00
" purple 2 " 15 inches		5 00
Tree Paeonias, 50 varieties, strong plants		40 00

YOUNG STOCK FOR TRANSPLANTING.

	Per 10.	Per 100.	Per 1000.
Ampelopsis Quinquefolia (Virginia creeper.) Strong	$0 30	$2 00	$15 00
" Veitchii, 1 year	25	1 00	8 00
Ash, Mountain, 2 to 3 feet		2 25	20 00
Bambusa Metake		5 00	
Beech, English, 2 years, transplanted		1 50	10 00
" Purple leaf, 3 years transplanted, 2 to 3 feet		8 00	
Berberis Aquifolia, 6 to 10 inches		1 25	12 00
" Darwinii, 2 years		3 00	20 00
" Nana, 3 years transplanted		2 50	20 00
" Purpurea, 10 to 12 inches		1 50	12 00
" " 12 to 18 "		2 00	15 00
" Thunbergii, 10 to 15 in. 2 years transplanted		3 00	25 00
Bignonia Radicans, 2 years		3 00	
Calycanthus, 10 to 12 inches transplanted		1 50	15 00
Catalpa Speciosa, 2 years, transplanted		2 00	18 00
Clematis Paniculata, Pot plants strong		4 00	
Cornus Siberica, Bright red wood), 3 yrs. 15 to 20 in.		2 00	16 00
Corylus Purpurea (Purple Filbert), 2 yrs. 12 to 18 "		4 00	35 00
Cydonia Japonica, 2 years, transplanted		2 00	16 00

	10	100	1000
Deutzia Crenata, fl. pl. 2 years transplanted		1 50	15 00
" Pride of Rochester, 12 to 14 inches		1 50	12 00
" Waterer		3 50	30 00
Elaeagnus Longipes, 2 years		3 50	
Forsythia Suspensa, Fortunei, Viridissima, 1 to 2 feet		2 25	18 00
Fringe, Purple, 2 years, transplanted		2 00	15 00
Honeysuckle, Climbing, Belgica, Brachypoda, Golden Halleana, 2 years transplanted		2 00	18 00
" Climbing, Punica, Sempervirens, Sempervirens, Sinensis, Verna, 2 years, transplanted		3 00	28 00
Horse Chestnut 3 to 4 feet		5 00	
Hydrangea, P. G. 8 to 10 inches, 1 year		2 00	18 00
Jasmine, White and yellow flowering, 12 to 18 inches.		3 00	25 00
Kerria Japonica, 2 years, transplanted		2 00	15 00
" Variegata, 3 years, transplanted		2 00	18 00
Laburnum, 2 years, transplanted		1 50	10 00
Larch, European, 2 years, transplanted, 12 to 18 in		1 50	12 00
Magnolia, Hypoleuca, 12 to 18 inches	3 00		
" Parviflora, 12 to 18 inches	4 00		
" Stellata 12 to 18 inches	3 50		
" Watsonii, 12 to 18 inches	4 00		
Mahonia Aquifolia, 8 to 12 inches		1 75	15 00
Oak, Pin, 2 years		2 00	15 00
" " 3 years, transplanted		2 50	25 00
" Turkey, 2 years, transplanted		2 50	18 00
Paeonias, Tree, good, 25 varieties	4 00		
Paulownia, Imperalis, 2 years, transplanted		5 00	
Philadelphus Coronarius, 10 to 14 inches, transplanted		1 50	14 00
" Grandiflorus, 12 to 18 inches, transplanted		1 50	15 00
Plane, Oriental (Sycamore), 1½ to 2 feet		3 00	25 00
Privet, California, 1 year, 12 to 15 inches		1 50	12 00
" " " 15 to 18 "		2 00	15 00
Ribes, Aureum (Yellow Fl. Currant), 1 to 2 feet, 2 years, transplanted		2 00	16 00
" Sanguineum (Red Fl. Currant), 2 years, transplanted		2 50	22 00
" Sanguineum (Red Fl. Currant), 2 to 3 feet		4 00	36 00
Spiraea, Anthony Waterer, 2 years		3 00	25 00
" Biliardii, Bumalda, Callosa Alba and Rosea			
Reevesii, Thunbergii		1 75	15 00
" Prunifolia and Van Houttei, 2 years, transplanted		1 75	15 00
Symphoricarpus Alba and Rubra, 1 to 2 feet		2 00	18 00
Viburnum, Lantana, 2 years		2 00	15 00
" Opulis Sterilis, 2 years, strong		2 50	20 00
" Plicatum, 8 to 10 inches, out of pots, dormant		5 00	40 00
Vinca Minor		1 50	12 00

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" " Geo. Peabody (Golden), 6 to 10 inches						6 00	55 00
Hemlock Spruce, (A. Canadensis) 3 yrs., transplanted 6 to 10 inches						2 00	15 00
Pine, Austrian, 2 years, transplanted, 6 to 10 inches						1 50	10 00
" " 4 " " 8 to 14 "						2 00	15 00
" Excelsa 2 " " 10 to 12 "						2 00	15 00
" Mugho 2 " " 5 to 6 "						1 50	12 00
" Scotch 2 " " 10 to 12 "						1 00	10 00
" " 3 " " 12 to 18 "						2 00	15 00
" Swiss Stone, 2 years, transplanted						4 00	
" White, 3 years, transplanted, 10 to 15 inches						1 75	13 00
Spruce, Norway, 3 years, transplanted, 8 to 12 inches						1 50	10 00
" " 4 " " 12 to 15 "						2 50	20 00
" White 3 " " 10 to 12 "						2 25	18 00
Yew, English, 2 " " 10 to 14 "					50	4 00	10 00
Tree Box, 6 to 10 inches, X fine						2 00	15 00

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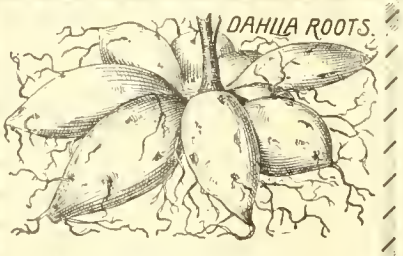

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Nice, Clean Stuff, and Well-Rooted.

Verbenas, 75,000 now ready, twenty-six varieties.....100, 60c.; 1000, $5.00; 5,000, $22.00

New Daisies, (or Marguerites), the best that have ever been introduced. Try a few of them and find out for yourself.

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Ageratum—Princess Pauline Doz., 20c.; 100, $1.00; 1000, $9.00

Coleus—Golden Verschaffeltii, Scarlet Verschaffeltii, Fire Brand, Tam O'Shanter, South Park Gem, Alhambra, Fire King, Golden Crown, Midnight, Salvator, John Goode, Spotted Gem, Combination, Mrs. F. Sanders, Nigger, Queen of the West, Beckwith's Gem.....100. 75c.; 500, $3.00; 1000, $6.00.

Heliotropes—three fine varieties. Doz., 20c.; 100, $1.00; 1000, $9.00

Manettia Vine.....Doz., 25c.; 100, $1.25; 1000, $11.00

Alyssum—New Double Giant. Doz. 20c.; 100, $1.00; 1000, $9.00

Abutilon—Souv. de Bonn.....Doz. 20c.; 100, $1.25
" Savitzii.....Doz. 40c.; 100, $2.50

Send for Price List.

I pay Express charges and guarantee to please you in every way.

S. T. DANLEY, MACOMB, ILL.

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One of my growers, who has about the finest violets which I have seen this season, wishes to dispose of a lot of **Rooted Runners** and **divided plants** for April delivery.

If you shall be in the market for any, advise me, as I think I can save you some money, and **know** that only strictly healthy stock will be supplied.

Ask for my Carnation plant list.....

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BEGONIA INCARNATA An improved form of this valuable flowering plant for Christmas.
Rooted cuttings.....$5 00 per 100
Plants in 2-in. pots.. 8.00 per 100

EDWIN LONSDALE, P. O. Address for the time being:
Money Order office same as heretofore, **Chestnut Hill** (Sta. H,) **Phila., Pa**
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Now Ready--New Pink Chrysanthemum

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Certificated by the C. S. A. Dec. 21st, 1899.

The latest Mum. Blooms for Christmas. See cut in Florists' Review of Dec 21, 1899 Rooted Cuttings, $8 00 per 100; from 2¼-in. pots, $10 00 per 100

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2½-in. fine, strong plants, ready to cut cuttings from; $1.50 per 100. Fine selected **Rooted Cuttings,** 80 cts. per 100. C. WINTERICH, Defiance, O.

Special Bargains for Easter Sales.

KENTIA BELMOREANA.

5 inch pots, 5 to 6 leaves, 18 inches high	per dozen	$ 9.00
5 inch pots, 5 to 6 " 22 to 24 "	"	12.00
6 inch pots, 6 " 24 "	"	15.00
6 inch pots, 6 to 7 " 28 to 36 "	"	18.00
6 inch pots, 7 " strong, 30 to 36 inches high	"	24.00

KENTIA FORSTERIANA.

5 inch pots, 5 leaves, 20 inches high	per dozen	$ 9.00
6 inch pots, 6 " 24 to 30 "	"	12.00
6 inch pots, 6 " strong, 32 to 36 inches high	"	18.00

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3 inch pots, strong stocky plants	per dozen	$ 1.00
4 inch pots, strong stocky plants	"	2.50
6 inch pots, strong stocky plants	"	9.00

PANDANUS VEITCHII, Fine Stock.

7 inch pots, 20 inches high	each	$ 2.00
7 inch pots, 24 inches high	each	2.50

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4 inch pots, strong plants	per dozen	$ 3.00

ARAUCARIA EXCELSA.

36 inches high, 5 to 6 whorls	each	$ 3.00
48 inches high, 7 to 8 whorls	each	4.00

ARAUCARIA COMPACTA.

14 to 16 inches high, 4 whorls	each	2.00

FICUS ELASTICA, (*Rubber Plant*)

14 inches high, fine stock	per dozen	$ 4.00
18 inches high, fine stock	"	6.00
24 inches high, fine stock	"	9.00
JAPANESE FERN BALLS in full leaf	"	7.50

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High Class **NOVELTIES** for 1900 now ready.

SPECIALTIES:

Tuberous Rooted Begonias, Gladioli, Montbretias, Tritomas, etc.,
embracing all the best varieties in existence.

SPLENDID NOVELTIES in all the above Specialties of my own raising for 1900.

PANSY SEED saved from my own unsurpassed strain.

All seeds, bulbs and plants carefully packed to all parts of the world.

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When writing mention the American Florist

New Chrysanthemums for 1900.

Bonita Beautiful deep orange, a bold, handsome flower with good stem and foliage. 50c each, $4.50 per doz., $30.00 per 100.

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Also grand **NEW SET OF EARLY POMPONES,** 12 varieties, one of each for $2.25.

All the new varieties of other raisers at advertised rates.

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YES, They're going fast—but then, we can furnish countless thousands. Get in your orders and we'll be there. They certainly are the "FINEST IN THE LAND." ***VERBENAS*** we're talking about. But don't forget there's lots of other stuff. We tell you about it below:

Verbenas. I guess you know our prices, but in case you have forgotten—cuttings, countless thousands—75c per 100. $5.00 per 1,000.
Pot Plants. (And they're beauts)—$2.50 per 100. $20.00 per 1,000.

Coleus. They're just as good as the Verbenas, and the very finest of sorts. We're selling them cheaper than we can afford to grow them, but you can have them any way.
Rooted cuttings—$1.00 per 100. $7.50 per 1,000.
Pot Plants—$3.00 per 100. 200 for $5.00. $20.00 per 1,000.

Latanias. Look at this! We've about 10,000 we want to run off, and at these prices they are bound to go quick. The stock in 3-inch, good value at $10.00, we offer at $8.00 per 100, in 500 lots, $7.50 per 100. The *4-inch*, good as they are—1 plant or 1,000—15c each. The *5-inch*, good stock, big value at $5.00 per dozen; you can have them at $4.00 per dozen. The *6-inch*, these are getting low, what's left you can have, $8.00 per dozen.

Oleanders. There's nothing surer sale than these two beautiful sorts in bloom. Don't wait 'till you have to have them, take them now while you can get them. They are not coming round again. *Double White*, Prof. Durand and Madonna Grandiflora. *Double Pink*, The fine old Kenwood—$6.00 per 100. $55.00 per 1,000. Order by color!!

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We have a good many thousand Roses, but on account of short stock in some varieties, it's difficult to list them. We have, besides the forcing sorts, such kinds as Malmaison, Mrs. Robt. Garrett, The Queen, Agrippina, Hermosa, Soupert, and a nice list right through. Now, if you want to pick out your own sorts, we'll have to charge you $4.00 per 100; but if you'll let us send you a nice assortment, our choice of varieties, you can have them for $2.00 per 100.

We've some nice Brides and Bridesmaid, 3-inch—can't be beat—you can have them for $5.00. We've also some nice H. P.'s, good stock, very best of sorts, such as Jacq., Dinsmore, Anne de Diesbach, etc. These we'll make you—your selection—$5.00 per 100; our own selection, $4.00 per 100. *They are all right.*

CHRYSANTHEMUMS.

Wouldn't this price kill you! Can't possibly grow them for it

$2.00 per Hundred.

Here they are:

Eugene Dailledouze, Glory of Pacific, Golden Wedding, Ivory, Jennie Falconer, Mayflower, Mrs. Henry Robinson, Mrs. Murdock, Major Bonnaffon, Modesto, Marion Henderson, Niveus, Pink Ivory, Queen, Wm. Simpson, V. H. Hallock, W. H. Lincoln and Yellow Queen.

We've other sorts, but can't quite sell them at these prices. Write us!!

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Rooted Cuttings.

Scott, Pierson, Helen Keller, Tidal Wave—$1.50 per 100, $10.00 per 1000.
Mayor Pingree, Flora Hill, Daybreak—$2.00 per 100.
Whe have them in pots, 50 per cent. more.

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5-inch—$2.00 per dozen.
6-inch— 3.00 "
Small stock for planting out—$3.00 per 100. $25.00 per 1,000.

PETUNIAS.

Dreer's Set—$4.00 per 100.
Double White—$5.00 per 100.

CINERARIAS.

Fine Strain—$3.00 per 100		
3-inch—	5.00	"
4-inch—	10.00	"
5-inch—	15.00	"

VINCAS.

Major and Major Variegata.
2-inch—$4.00 per 100.
4-inch, very fine—$15.00 per 100.

HELIOTROPE.

Czar, Czarina, and five other fine sorts—$3 00 per 100.

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Mt. Snow, Happy Thought, Md. Salleroi, Rose—$4.00 per 100.
Mrs. Parker—$6.00 per 100.
Mrs. Pollock—$5.00 per 100.

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Ageratum, Cope's Pet	2.00
Ampelopsis Veitchii, strong	4.00
Alternauthera, 2 vars	3.00
Cuphea—200 for $5.00, $20.00 per 1,000	
Dracaena Indivisa, 5-inch—$2.00 per doz.	
Fuchsias	3.00
Feverfew, Little Gem	2.00
Hydrangea Hortensia	4.00
Ivies, English	4.00
Libonia Pen	3.00
Manettia Vine	4.00
Lantanas	3.00
Lemon Verbenas	4.00
Marguerite, white	3.00
" yellow	4.00
Nierembergia	3.00
Othonna	3.00
Otaheite Oranges, 4-in	15.00
Salvia, Scarlet	3 00
Smilax	2.00
Swainsonia, white	4.00
Santolina Incana	3.00
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Plants from 3½-in. pots,

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Orchids, Cacti, Bulbs.

All prices quoted include parcel post paid, and stock is selected especially for Florists.

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Amaryllis Formosissima	$3.00 per 100
Bessera Elegans, large bulbs	$1.50 "
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Over 100 varieties in stock. Florists' Sample Collection of 30 distinct plants, $3.00. Old Man Cactus, 5 to 6 inches high, $4.00 per doz.

Send remittances in Express Money Order. Price List free to the trade.

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FORGET-ME-NOT, winter blooming, from flats, $1.50; 2¼-in. $2.00; 2½-in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100.
Per 100
PARIS DAISY, white, R. C. $1.00; flats $1.50
DOUBLE ALYSSUM, R. C. $1.00; flats 1.50
VARIEGATED VINCAS, from flats 1.50

All plants in flats strong and well established, ready for 2½ or 3-inch pots. Cash with order, please.

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FINE PLANTS. Many are curled and fringed, 60c per 100 by mail; $3.50 per 1000 by express. Large plants in bloom, ready April 1, $1.50 per 100. Seeds, $1.00 per package. Sample blooms sent to those wanting plants. Cash with order.

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Red Verschaffeltii and Golden Bedder 55c per 100. Silver Leaf Rose Geranium and Ageratum Pauline, 25c per dozen.
Silver Leaf Geranium Mrs. Parker 40c per dozen.
Alternanthera plants 50c per 100.
Cash with order please, Try me.

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CRIMSON RAMBLERS.

In superb condition, loaded with fine clusters of bloom, grand foliage, @ $2.00, $2.50, $3.50, $5.00 and $10.00 each. The large plants are extra fine specimens.

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The largest and finest stock we have ever had.

L. LONGIFLORUM.

Perfect plants, 12c. per flower.

Astilbe Astilboides.

Grandiflora and compacta. Our plants this season are extra fine.

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In 5-in., 6-in. and 7-in. pots.

Metrosideros, Bottlebrush Plants.

A mass of flowers, in just the right condition for Easter. 6-in. and 7-in. pots. $1.00, $1.50 and $2.00 each.

HYDRANGEAS.

We call special attention to these, the best lot we ever grew. They are already in bloom, and will be hardened off in cool houses a week before Easter. To be satisfactory an Hydrangea must be finished in a low temperature. Prices $1.00, $1.50, $2.00 and $3.00 each.

We have also an extra fine lot of

Hyacinths, Tulips, Narcissi, Etc.

in pots and pans.

ROBT. CRAIG & SON,

49th and Market Streets, Philadelphia, Pa.

ROSES, CLEMATIS, RHODODENDRONS, ETC.

ROSES. Strong 2 Year Field Grown.

	Per 100
Crimson Ramblers with 4 to 5 feet canes	$15.00
Crimson Ramblers, 2d size, 2 to 3 feet canes	8.00
Yellow Rambler, two years	8.00
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Wichuriana, Japan creeping Rose	6.00
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Liberty, new red forcing Rose, from 2½-in. pots, 12 plants at 60c each, 25 at 50c each, 50 at 30c each, 100 at 25c each.	
General assortment of Everblooming Roses from 2½-in. pots, $3.00 per 100, $25 per 1000.	

CARNATIONS. Rooted Cuttings.

Mrs. Thomas Lawson, $14.00 per 100. Ethel Crocker, $10 per 100. The Marquis, $10.00 per 100. Olympia, $12.00 per 100.

RHODODENDRONS.

Large stock of best hardy varieties 15 inches to 3 feet high, clean bright foliage and well set with buds, $45.00 to $150.00 per 100.

CLEMATIS.

Jackmanii, Henryi, Duchess of Edinburg, Ramona, and other large flowered varieties, strong two year plants, $20.00 per 100; strong three years $25.00 per 100.

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Strong, bushy plants well set with flower buds, $35.00 per 100.

Hydrangee Peniculata Grendiflore.

2½ to 3 feet, $10.00 per 100; tree form, 4 to 5 feet high, $25.00 per 100.

Fruit and Ornamental Trees, Shrubs, etc., in large assortment.

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300,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

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FINE, STOCKY PLANTS.

	Per 100
Alternanthera, yellow, $1.75, red	$2.00
Oxalis Floribunda, fine for baskets	2.00
Coleus, mixed var., 2-in. pots	2.00
Geranium, my selection, 2 and 2½-in. pots	3.00
" " " 3-in. pots	4.00
Double Petunia, mix. var., 2½-in. pots	3.00
Verbenas, good var., 2-in. pots	2.00
Centaurea Gymnocarpa, 2-in. pots	2.00
Carnations, 2-in. pots, 5 var.	3.00
Pansy plants in bud, cold frame	2.00
Ageratum, 3 var., 2-in. pots	2.00
Vinca Vines, 2½-in. pots	3.00

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--New-- Geranium DEWEY

A GRAND NOVELTY.
COLOR BRIGHT CRIMSON; DWARF, COMPACT GROWER,
PROFUSE BLOOMER, GOOD FOLIAGE, VERY ATTRACTIVE.

4-inch pots	35c each,	$3.50	per doz.
3 " "	25c "	2.50	"
2½ " "	15c "	1.50	"

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...NOVELTIES OF THE SEASON...

CHRYSANTHEMUMS.

Monrovia—Early Yellow, of commercial value.
Orizaba—Midseason Pink, incurved form.
Nesota—Yellow Jap. of large size.
Intensity—Bright Crimson, late. Extra fine.
Pluma—Pink Ostrich Plume. Fine color.
White Bonnaffon—Incurved White, of great promise.
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Goldmine—Yellow. The great prize winner of the season.
Superba—Very late Pink for Christmas; Perrin type.

Fine stock of above at 50c. each; $5.00 per doz.; $35.00 per 100. All ready for immediate delivery except Goldmine. Next lot of this ready April 20th. All other novelties at introducer's prices.

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THREE EARLY.

John K. Shaw—Fine commercial Pink. $5.00 per 100.
Polly Rose—White Glory of Pacific. $4.00 per 100.
Robt. Halliday—Henderson color; better form. $6.00 per 100.

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Fee du Champsaur—Large White Jap. $10.00 per 100.
Yellow Mayflower—Sport from Mayflower. $6.00 per 100.
Shilowa—Extra fine dark Crimson. $5.00 per 100.

THREE LATE.

For Thanksgiving and after.

Xeno—Fine incurved Pink, style of Perrin. $6.00 per 100.
Nagoya.—A large Jap., intense yellow. $6.00 per 100.
Adula—Superb inc. White. $8.00 per 100.

Also a very complete stock of the best standard varieties.

CARNATIONS FOR 1900.

The Marquis—$1.50 per doz.; $10.00 per 100.
Olympia—$2.00 per doz.; $12.00 per 100.
Ethel Crocker—$1.50 per doz.; $10.00 per 100.
Genevieve Lord—$2.00 per doz.; $10.00 per 100.
Mrs. Lawson—$3.00 per doz.; $14.00 per 100.

We also have a very complete list of the best standard sorts.

NEW GERANIUMS.

Many florists are unaware of the great advance that has been made in the Geranium. Many of the recent introductions are marvels of beauty. Try a few; we are certain they will be in great demand next season. List of varieties and prices on application.

GERANIUMS.

Standard varieties. We are all sold out of pink shades, but have a large stock of red, large sturdy plants ready for 4 in. pots.

S. A. Nutt—$3.50 per 100.
Marvel—$3.00 per 100.

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Princess of Wales.
Lady Hume Campbell.
California.
White Czar.

From soil, $1.50 per 100; $12.00 per 1,000.

VINCA MAJOR VARIEGATA.

Strong 2¼ in. pot plant. If shifted now, will make excellent stock for Decoration Day. $3.00 per 100; $25.00 per 1,000.

For complete descriptions of above stock, see our Catalogue, which will be mailed free on application.

NATHAN SMITH & SON,

ADRIAN, = = = MICHIGAN.

30,000 Longiflorums 700 Crimson Ramblers

High Grade Easter Plants

Crimson Ramblers, trained, cool grown (never above 53° at night) heavy Clusters of flowers, in 7-in. pots, each $3.00; 8-in. pots, each $5.00.

Longiflorum lilies, superb stock. On plant or cut, each flower 15c.

Spiraea Multiflora Compacta. The best pot variety for Easter, 6 1-2-in. pots, 50c.; 7-in. pots, 75c. You are cordially invited to inspect stock. Ashmont and Milton Electric cars from Union Station or South Terminal every fifteen minutes.

Rosemere Conservatories,

Centre St., Dorchester, Mass.

CASH WITH ALL ORDERS. LAWRENCE COTTER, Mgr. TELEPHONE DOR. 202-2.

Cannas

We have a fine assortment dormant roots to offer at $2.00 per 100.

SUCH VARIETIES AS

EGANDALE, E. G. HILL, ALLEMANIA, CHAS. HENDERSON, AMERICA, SOUV. DE PRESIDENT CARNOT, MADAME MONTIFORE, AUSTRIA, TALIA, ETC. CASH WITH ORDER.

W. W. COLES, Kokomo, Ind.

New Ever-Blooming Geranium

AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gloire de Lorraine.

Floriferousness Phenomenal

Strong plants, 50c each; $5.00 per doz.

MARS 2¼-inch pots, $5.00 per hundred.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emannel Arene, Dryden Southey, etc., for $2.00. One America free with each set. Plants guaranteed A1 in every respect. CASH, PLEASE.

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Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well-tested ones good enough? I have both. My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Pæonies. Write for catalogue and price list.

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Box 382. Denver, Colo.

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Silene nana compacta fl. pl. sells at sight: a very beautiful plant for pots, bedding, borders, etc. It grows only 6 to 8 inches high, forms a compact globe-shaped plant and is covered over and over with hundreds of nice double flowers. It is a very profitable plant for every florist. Try them. We have two kinds:

1. "Verschaffeltii", dark red foliage and scarlet flowers.
2. "Delicata", green foliage and pink flowers.

Very strong plants, ready for 4-inch pots, $2.50 per 100; $10.00 per 500.

Pansy Myosotis. Bellis per. fl. pl., cold frame size, $3.00 per 1000. **Cannas.** Mme. Crozy, P. Marquant. **Stocks.** Ten Weeks, white, $1.50 per 100.

Shellroad Greenhouse Co., Grange P. O., Balto., Md.

VINCA VINES AND SMILAX.

	Per 100
4-inch pot Vinca Vines	$8.00
2¼-inch pot Vinca Vines	2.50
Plants from flats (these have been in flats for past two months)	1.50
2¼-inch pot Smilax	2.00

Cash With Order or C. O. D.

WM. A CLARK & SON, 59 State St., Watertown, N. Y.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. **VIOLETS.**

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SPECIAL OFFER OF CHOICE PALMS

Strong, stocky and perfect Plants, fully up to my high standard in every respect.

LATANIA BORBONICA.

4-in. pots, 3 to 4 characterized leaves, 12 to 15-in. high	per doz.,	$ 3.00;	per 100, $ 22.50
6-in. pots, 5 to 6 characterized leaves, 18 in. high	"	6.00	" 50.00
8-in. pots, 8 to 9 characterized leaves, 24-in. high	"	18.00	" 150.00

ARECA LUTESCENS.

12-in. pots, elegant bushy specimens, 6 to 8 feet high	each,	$10 00,	$12.50, $15.00
16-in. " " " " 8 to 10 "	"	25.00,	30.00, 35.00

LIVISTONA ROTUNDIFOLIA.

3-in. pots, 3 to 4 characterized leaves, 5-in. high, 8-in. spread	per doz.,	$3.00;	per 100, $22.50
4-in. pots, 4 to 6 " " 8-in. " 10-in. "	"	4.80;	" 37.50

PANDANUS VEITCHII.

6-in pots, well colored, 18-in. high ..... each, $1.00; doz., $12.00

Measurements from top of pot.

CHAS. D. BALL, Holmesburg, Phila., Penn.

EASTER PLANTS.

Azaleas, from 50c to $6 each.
Genistas, from $1 each up—some specimens.
Ericas (Heather), $12 and $15 per dozen.
Lilies in 4 varieties, from $1.25 to $2 each.
Crimson Ramblers at all prices.
Erica cupressiana, $2 and $2 50 each.
Hydrangeas at all prices.
METROSIDEROS, very fine, from $1 to $5 each.
LILIES, 10 and 12 cts. per bud, by the 1000.
All kinds of bulbs in flats and pans.
Moss Roses and **Baroness Rothschild** in boxes.
Valley, 50c and $1 per pot.

CASH WITH ORDER

ANTON SCHULTHEIS,

P. O. BOX 48. COLLEGE POINT, L. I., N. Y.

XXX SEEDS XXX

CHINESE PRIMROSE. Finest fringed large single and double, mixed, 500 seeds $1.00
PRIMULA OBCONICA. Improved bright rose color, very finest of all Obconicas, 1000 seeds .50
CINERARIAS. Extra fine, large flowering dwarf, choicest mixed, 1000 seeds ..... .50
PANSY. Finest Giants. The best large flowering varieties grown, 3500 seeds 1.00
HELIOTROPE. Extra strong, ready for 3½-inch pots, best three varieties, per 100 ..... 2.50

Extras added liberally to every order.

The Home of Primroses. JOHN F. RUPP, SHIREMANSTOWN, PA.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. WAVERLEY, MASS.

5000 Ampelopsis Veitchii. Dormant, pot grown, long tops, 1 year old, $3 00 per 100; 2 year, $6 00 per 100. **Prepaid at 25c per 100 extra.** Clematis Paniculata, strong field plants, $1 per doz., $7 per 100. Cannas, dormant roots, strong; Chas. Henderson, Alphonse Bouvier, Florence Vaughan, Queen Charlotte, $3 00 per 100. **Alsace, White Canna, 5c.** Vinca Variegata, 2½ in., $3 per 100 Asparagus Sprengerii, 3½-in., fine, 8c. CASH please.

BENJ. CONNELL, Florist, WEST GROVE, PA.

MAMMOTH VERBENAS Large rooted plants, 60c per 100, $4 50 per 100. Cyclamen, 3-in., $5 per 100. White stocks for Easter, 2-in., $1 50 per 100 Rooted cuttings double and single Petunia mixed, $1.00 per 100. Dwarf Lobelia, $1 per 100.

SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.

Please mention the American Florist when writing.

...SPECIAL...
ROOTED CUTTINGS.

Choicest Varieties. Lowest Prices. Finest Stock.

50,000 Carnations, standards, $7.50 per 1000. Descriptive list, 25 choicest up-to-date varieties.

50,000 Roses, standards, $12.50 per 1000. Strong 2½-in. Brides, Meteors, Maids, Perle, Wootton, $3 00 per 100, Golden Gate and Kaiserin, $4 00 per 100. Elegant stock. Rooted Cuttings, $1.50 per 100, $12.50 per 1000.

50,000 Verbenas, 20th Century collection. 32 Grand Mammoth varieties, the cream of all the latest and choicest up-to-date, 60c per 100; $5.00 per 1000.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000. Strong 2-in., $2.00 per 100; $18.00 per 1000.

Alyssum, strong 2-inch, 2 cents.

Geraniums, sweet-scented, strong 2½-inch 2½ cents; strong 2-inch, 2 cents. Mme. Salleroi, strong 2-in., at $2.00 per 100.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.00 per 100.

Fuchsias, 6 best sorts, strong R. C., $1.50 per 100. Black and Purple Prince, 2-in., 2.50 per 100; 2½-in., $3.00 per 100.

Smilax, strong, 2-inch, $1.00 per 100; $8.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1.00 per 100.

Vincas, Major and Variegata, strong 2½-in., 3c; strong 2-in., 2½c.

Marguerites, New Giant White, a grand sort, and New Golden, strong 2½-in., 2½c; strong rooted cuttings, $1.00 per 100.

Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Please mention the American Florist.

EASTER LILIES AND TULIPS

Get Prices for Cut Longiflorums and Tulips for Easter.

YOUNG ROSE STOCK FOR BENCHING MAY, JUNE AND JULY.
CHRYSANTHEMUM PLANTS " JUNE, JULY AND AUGUST.

We are perhaps the largest growers of Chrysanthemums in the state of Illinois, devoting 11 large houses to Cut Blooms and Potted Plants in their season.

We grow only such varieties in quantity as we consider best and safe for pot culture and cut blooms for wholesale and retail trade.

Such varieties as are unfit for commercial uses are discarded, which insures for those who leave selection to us the BEST TRIED market sorts, and these are sure to give satisfaction. One large cool house is entirely devoted to carefully selected Stock Plants, which are sure to give good strong stuff to propagate from and insure for you good blooms.

Our aim will always be to send out such stock as will secure the old and bring in new trade. All stock sent true to name. No substitutes will be made for varieties not in stock unless permission to do so is agreed on.

When late in ordering, to prevent delay it is best to mention second choice for any that may be out of stock. If left to us there will be no disappointment. All orders will be carefully packed and forwarded in rotation. If not posted yourself leave selection for Pot Plants and Cut Blooms to us. We can please you by giving you the benefit of our experience in this line. We will have about 150,000 plants to offer out of 2½-inch pots. When you are ready to buy think of us and give us a trial. Send remittance to insure prompt delivery. We will take orders now for delivery in May, June and July. Our list includes the following varieties:

WHITE.

Jerome Jones, Wanamaker, Ivory, Mayflower, Chadwick, Gretchen Buettner, Western King, Mrs. H. Robinson, Bergmann, George Kalb, Irene Woodford, Lotty Berry, Independence, Fitzwigram, J. H. Weeks and Midge.

YELLOW.

Yellow Jones, Bonnaffon, Reiman, Lincoln, Mrs. O. P. Bassett, Marion Henderson, Golden Trophy, Golden Wedding, M. M. Johnson, Whilldin, Yellow Queen, Pennsylvania, Modesto and Sunderbruch

PINK.

Glory of Pacific, Montmort, Perrin, Morel, P. Ivory, Murdock, Autumn Glory, Maud Dean.

RED.

Childs, Schrimpton and Defender.

BRONZE.

Chas. Davis and Lady Hanham.

Poehlmann Bros.

GREENHOUSES,
Morton Grove, ILL.

51 Wabash Ave., CHICAGO, ILL.

HEACOCK'S PALMS.

AWARDED CERTIFICATE OF MERIT Pennsylvania Horticultural Exhibition, March 21st, 1900, for choice Areca Lutescens, etc.

Choice ARECA LUTESCENS, KENTIA BELMOREANA and LATANIA BORBONICA.

All perfect and symmetrical plants, alike on all sides, with every leaf perfect from the pot up. Grown especially for the decorator. They are as good, if not better, than any I have offered before. Prices are as follows:

Areca Lutescens.

	Each.
9-inch pot, very bushy, 5 feet high	$ 5 00
12-inch pot, very bushy, 6 feet high	$10.00 to 15.00
14-inch pot, very bushy, 6 to 7 feet high	20.00
15-inch pot, very bushy, 7 to 8 feet high	25.00

Kentia Belmoreana.

	Per Doz.	Per 100
3-inch pots, 4 to 5 leaves, 10 to 12 in. high	$3.00	$25.00
4-inch pots, 5 to 6 leaves, 15 to 18 in. high	6.00	50.00
6-inch pots, 6 leaves, 20 to 24 in. high	18.00	150.00

Latania Borbonica.

	Each.
8-inch pot, 8 leaves, 24 in. high by 36 in. wide	$1.50
10-inch pots, 9 to 10 leaves, 30 to 36 in. high by 42 in. wide	4.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. **A TRIAL ORDER IS SOLICITED.**

JOSEPH HEACOCK, Wyncote, Pa.

CARNATION CUTTINGS

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	3.00	25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
WHITE CLOUD	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINIA	1.00	7.50
SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
METEOR	$1.50	$12.50
BRIDESMAID	1.50	12.50
PERLE	1.50	12.50
BRIDE	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS.

FROM 2½-IN. POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
BRIDESMAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All Plants and Cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG,
51 WABASH AVE., CHICAGO.

FOR **CASH WITH ORDER ONLY**

I offer the following Carnations, strong transplanted stock.

4000 Triumph at $2.00 per 100, $18.00 per 1000

1500 Wm. Scott at $1.25 per 100, $10.00 per 1000.

500 Lily Dean at $2.00 per 100.

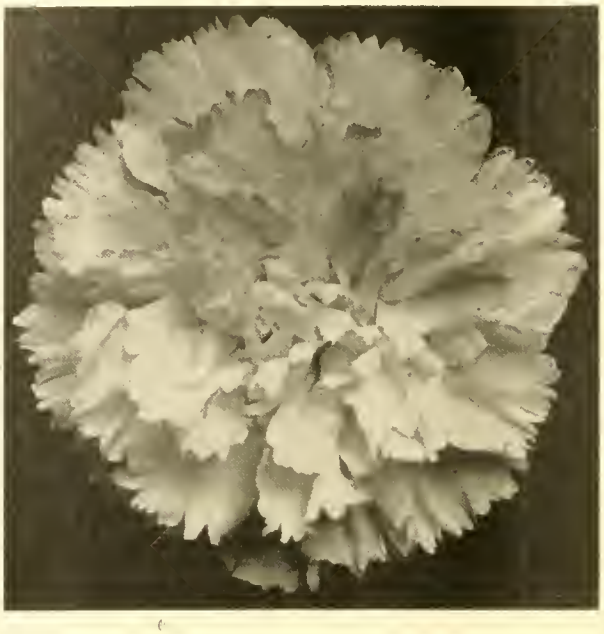
GEO. W. BINSTEAD,
Summit, N. J.

MARY A. BAKER AND ANNA C. EASTBURN,

Two best white Carnations I have ever grown. Sandusky, Duke of York and Melba, $5.00 per 100, $40.00 per 1000. Empress and Wellesley, $2.50 per 100, $20.00 per 1000. Flora Hill and Mayor Pingree, $2.00 per 100, $15.00 per 1000. Scott, McGowan, Cartledge Portia, Eldorado and Tidal Wave, $1.50 per 100, $12.00 per 1000. Also Giant Double Alyssum and Double Rudbeckia.

Send for Descriptive Price List.

LOUIS B. EASTBURN, Kennett Square, Pa.



PERU

A New Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.50	$20.00
TRIUMPH	2.50	20.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	.75	5.00
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

PLANTS FROM 2½-INCH POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
MAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	$3.00	$25.00
LA FRANCE	3.50	30.00
KAISERIN	4.00	35.00

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

CARNATION CUTTINGS.

We have all the new and standard varieties.

Write for prices.

WEILAND & RISCH, Evanston, Ill.

ROOTED CUTTINGS OF NEW AND STANDARD

CARNATIONS

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Pa.

Please mention the American Florist when writing.

CARNATIONS

ROOTED CUTTINGS now ready of White Cloud, Jubilee, Gold Nugget, Pingree, Flora Hill, Evelina and other standard sorts. Fine stock. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

GENEVIEVE LORD

The ideal commercial pink carnation. Strictly speaking, a commercial variety, yet size and exhibition qualities are not lacking. The color is that happy shade called by the ladies "just right." Its stem is unequaled by any carnation. It is a prodigious grower and the most remarkable producer of high grade blooms we have ever grown. An easy, rapid grower; makes large plants from late cuttings. We can promise prompt delivery after April 10th. Stock for delivery prior to that date all sold. Cuttings positively free from rust and in other respects very hard to duplicate.

PRICE: Dozen, $2.00 One Hundred, $10.00 One Thousand, $75.00

Our Catalogue is now ready, giving complete description of above, also all of the other big new ones at introducers' prices. Also complete list of standard varieties, all the best new and standard chrysanthemums. Catalogue sent for the asking.

What Growers think of the Cuttings.

Genevieve Lord Cuttings arrived in good order.
H. DALE, Brampton, Ont.

Your Genevieve Lord Cuttings are the finest I have ever received of a new variety. If all others were as good I would have no kick coming. GEO. R. GEIGER, Nazareth, Pa.

The best carnation cuttings (Genevieve Lord) I ever received.
A. HERRINGTON, Madison, N. J.

Genevieve Lord Cuttings arrived safely, none the worse for their long journey. J. GAMMAGE & SON, London, Ont,

Carnation cuttings received. They are extra fine, especially the Genevieve Lord. If I can only grow them as well as they look, I will be satisfied. Next time I want good stock I will know where to send. W. H. VANCE, Wilmington, Del.

Justice as well as gratitude demands my informing you that the carnation cuttings arrived 16th. inst, proving most satisfactory in every respect. I have yet to see as fine, healthy a lot of plants anywhere as these, and you have insured my future orders so long as you continue to send out this high grade of plants. These cuttings are so far superior to those received from other growers that comparison can hardly be made; they are in a different class altogether. JAMES L. LOMERSON, Phillipsburg, N. J.

What Experts think of the Blooms.

WASHINGTON, D. C., January 12, 1900.
MESSRS. H. WEBER & SONS, OAKLAND, MD.:
Dear Sirs—We have handled your new Carnation, Genevieve Lord, for the past year, and beg to state that it is one of the finest Carnations we have ever handled. *It has become very popular here in Washington*, its beautiful color making it a ready seller. Together with color, its most distinct points are its extra long stems and perfect erect habit. *It has a marked individuality*, enabling customers to recognize it at a glance. It is one of the few new Carnations that have so many good points, and we feel satisfied that it has a great future before it. It is some little trouble to educate the people up to paying $3 and $4 per dozen for Carnations, but *if any Carnation will bring the price*, it is Genevieve Lord.
Yours truly, (Signed) J. H. SMALL & SONS.

CINCINNATI, OHIO, January 16, 1900.
MESSRS. H. WEBER & SONS, OAKLAND, MD.:
Gentlemen—I want to congratulate you on being the introducer of Genevieve Lord, your new pink Carnation. Although I have not seen it growing, I have seen it exhibited at nearly all seasons of the year, and taking all its good qualities into consideration, I believe it to be *the best pink of its class in the market today*. It is strictly a commercial flower, and *will produce the Dollars and Cents*. I predict for you a phenomenal sale of this carnation.
Yours very truly, (Signed) E. G. GILLETT.

ST. LOUIS, MO., January 24, 1900.
H. WEBER & SONS, OAKLAND, MD.:
Dear Sirs—In regard to what I think of Genevieve Lord, and what I heard spoken about it at the meeting is this: Color just right and what is wanted, and will sell. Shape and size as good if not better than any Carnation ever sent out, very sweet; stems the best ever seen on any Carnation sent out. In keeping and shipping qualities it beats any Carnation that I have ever seen; as I mentioned last time in my letter to you they looked as fresh as if they had just been cut. Yours very truly,
(Signed) E. SCHRAY,
Secy. St. Louis Florists' Club.

H. WEBER & SONS, Oakland, Maryland.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Bon Ton	2.00	15.00

Crimson.		
Evanston	2.00	15.00

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00

Yellow.		
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.		
Argyle	$1.50	$12.00

ROSES, from 2½-in. pots.

	100	1000
Beauties	$6.00	$50.00
Brides	4.00	35.00
Maids	$4.00	$35.00
Perles	4.00	35.00

Guaranteed strictly first-class stock and free from disease. Cash discount on 1000 lots, 500 at 1000 rates; 50 at 100 rates.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

10,000 STRONG ROOTED Carnation Cuttings

FRANCES JOOST	$2.00 per 100
GOLD NUGGET	2.00 per 100
MRS. GEO. BRADT	4.50 per 100
EVELINA	2.00 per 100
FLORA HILL	2.00 per 100
DAYBREAK	1.50 per 100

JOS. LABO, JOLIET, ILL.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1 00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

Perpetual Blooming HYBRID CARNATIONS

Crossings between Marguerite and Remontant.

They are what we can recommend as truly summer flowering varieties. They begin to bloom in the field in July and continue until frost sets in. Flowers medium size, growth very rapid. Can offer them in 10 varieties in as many colors, well established plants, at $5.00 per 100, by express, or the set of 10 varieties R. C. for 50c by mail.

ETHEL CROCKER, the best pink Carnation, well established plants from 2½-inch pots, $10 00 per 100. Rooted Cuttings, $8.00 per 100.

C. EISELE,
11th and Jefferson Sts., Philadelphia, Pa.

CARNATION CUTTINGS. For Immediate Shipment.

	Per 100	Per 1000
SCARLET.		
G. H. CRANE	$6.00	$50,00
AMERICA	5.00	40 00
JUBILEE	2 00	15.00
PORTIA	1.25	10.00
PINK.		
WM. SCOTT	1.25	10.00
DAYBREAK	1.25	10,00
VICTOR	1 25	10.00
WHITE.		
FLORA HILL	1.25	10 00
LIZZIE McGOWAN	1.25	10,00
VARIEGATED.		
ARMAZINDY	1.25	10 00
YELLOW.		
ELDORADO	1.25	10.00
ROSES, 2-in. pots.		
BRIDE, BRIDESMAID	3.00	

250 at one thousand rates.

WM. MURPHY, Station F, Cincinnati, O.

Please mention the American Florist when writing to an advertiser.

ROSES

GRAFTED, WINTER BLOOMING.
Brides, Bridesmaid, Golden Gate.

GRAFTED, SUMMER BLOOMING.
Pink Soupert, Clothilde Soupert, Kaiserin Augusta Victoria, President Carnot.

OWN ROOTS.
Maman Cochet, white and pink, 2½-in. pots. Prices on any quantity.

H. P., low budded, in variety.....$10.00 per 100
Clothilde Soupert, dormant..... 12.00 per 100

BOBBINK & ATKINS
RUTHERFORD, N. J.

New Roses

GRUSS AN TEPLITZ. An exceedingly healthy, strong growing forcing rose, similar to Liberty, but a stronger grower.

MAD. RENE GERARD, The improved Mad. Capucine.

Fine stock. Write for price.

BOSTON FERN, strong 2½-inch, $5.00 per hundred.

The Conard & Jones Co.,
WEST GROVE, PA.

LAST CALL

For two year old Kaiserins. Order at once.

COLEUS.

ROOTED CUTTINGS AND 2-IN. STOCK OF GOLDEN BEDDER, YELLOW QUEEN AND VERSCHAFFELTII; ALSO 2-IN. SMILAX.

Write

GEO. A. KUHL, Pekin, Ill.

Own Roots

WOOD FROM GRAFTED STOCK ONLY.

BRIDE, BRIDESMAID, KAISERIN, METEOR, BON SILENE, AM. BEAUTY, CARNOT — 2¼-in. pots, $3.50 per 100, $30.00 per 1000; 3-in., $6.00 per 100, $50 00 per 1000.

GOLDEN GATE, AM. BEAUTY—2¼-in. pots, $4.00 per 100; 3-in., $7.00 per 100.

S. J. REUTER, Westerly, R. I.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3 00 a 100, $25.00 a 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, O.

AMERICAN BEAUTY.

A No. 1 stock.

	Per 100	Per 1000
2½-inch pots	$5.00	$45 00
BRIDES, 2½-inch	3.50	30.00
BRIDESMAIDS, 2½-inch	3.50	30.00
PERLES, 2½-inch	3.50	

CASH WITH ORDER.

JOHN MUNO, Rogers Park, Chicago.

PERLE ROSES

2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

AMERICAN BEAUTIES

$3 per 100; $25 per 1000.

	Per 100	Per 1000
BRIDES	$1.50	$12.50
BRIDESMAIDS	1.50	12.50
METEORS	1.50	12.50

THESE are strong rooted cuttings; in fact we have never had so good success with rose cuttings as we are having this year. All stock is guaranteed, all orders are carefully filled and well packed.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

LIBERTY

ORDERS RECEIVED NOW FOR APRIL AND MAY DELIVERY....

GRAFTED ROSES. Kaiserin now ready to ship. Orders booked for Brides and Bridesmaids. Prices on application.

AMERICAN BEAUTY, own roots, 2½-inch pots, $6.00 per 100; $50.00 per 1000.

ROBERT SCOTT & SON, SHARON HILL, DEL. CO., PA.

WE HAVE OUR USUAL FINE STOCK OF

American Beauty Plants.

JOHN BURTON, Wyndmoor, Philadelphia, Pa.

60,000 WINTER FLOWERING ROSES

Grafted and on their Own Roots.

SEND FOR PRICES.

J. L. DILLON, Bloomsburg, Pa.

American Beauties

Now ready to send out, and the best lot of plants I ever grew. 2x3 inch rose pots, $6 per 100; $50 per 1000.

JOSEPH HEACOCK, Wyncote, Pa.

FOR SALE

2000 BRIDES and 2000 BRIDESMAIDS, in 2½-inch pots, now ready. Price $3.00 per 100.

500 AMERICAN BEAUTIES, in 2½-inch pots ready about April 10. Price $4 00 per 100.

JOHN L. WYLAND, - - DeHaven, Pa.

THE BEST CARNATIONS

Are Most Profitable.

NOVELTIES OF 1900 FROM SOIL.

	Per Doz.	Per 100
Ethel Crocker, pink	$1.50	$10.00
Mrs. Lawson, cerise	3.00	14.00
The Marquis, pink	2.00	10.00
Olympia, variegated	2.00	10.00
Genevieve Lord, pink	2.00	10.00
Chicago, Red Bradt	1.50	10.00
Mrs. Bertram Lippincott	2.00	10.00
Elm City, white	1.50	10.00
Morning Glory, pink	1.00	6.00
Rosemont, scarlet	1.00	6.00
Peru, pure white	1.50	10.00
Estelle, scarlet	2.00	10.00

LEADING STANDARD VARIETIES.

	Per 100	Per 1000
White Cloud, white	$3.00	$25.00
Daybreak, pink	2.00	15.00
G. H. Crane, scarlet	6.00	50.00
Gen. Maceo, crimson	6.00	50.00
Mrs. Bradt, variegated	4.00	35.00
Glacier, white	6.00	50.00
America, scarlet	5.00	40.00
Flora Hill, white	2.00	15.00
Wm. Scott, pink	1.00	10.00
Jubilee, bright scarlet	2.50	20.00
Ivory, white	1.50	12.00
Mrs. Joost, pink	3.00	25.00
Evanston, scarlet	2.50	20.00
Gen Gomez, crimson	5.00	40.00
Firefly, early scarlet	1.50	12.00
Tidal Wave, cerise	1.00	10.00
Melba, clear pink	4.00	35.00

Order at once. Terms Cash.

GEO. HANCOCK, & SON,
GRAND HAVEN, MICH.

CARNATIONS.

Strong, Well-Rooted Cuttings.

SELECT STOCK.

	Per 100	Per 1000
G. H. Crane	$6.00	$50.00
Morning Glory	6.00	50.00
Gen. Maceo	6.00	50.00
Glacier	6 00	50 00
America	5.00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40.00
White Cloud	4.00	30.00
Mary Wood	3.00	25.00
Mrs. F. Joost	3.00	25.00

And other standard sorts.

FIVE 1900 NOVELTIES.

	Per 100	Per 1000
Mrs. Thos. Lawson	$14.00	$120 00
Ethel Crocker	10.00	75.00
Marquis	10.00	75.00
Olympia	12 00	100.00
Genevieve Lord	10.00	75.00

Send for Descriptive Price List.

F. Dorner & Sons Co.,
LAFAYETTE, IND.

Geraniums for Carnations.

I have 3 and 4-inch Geraniums all standard varieties to exchange for Carnations, 1¼-inch pots of White Cloud, Ethel Crocker, Wm. Scott and Jubilee. Also Geraniums for sale. Address

DAN L. GORMAN, 829 High St., Williamsport, Pa.

Please mention the American Florist when writing.

Carnation Cuttings!

WRITE FOR SPECIAL DISCOUNTS AND LET US FIGURE ON YOUR WANTS.

	Cuttings. Per Doz.	Per 100	Per 1000.
Genevieve Lord, the peer of any light pink carnation offered	$2.00	$10.00	$75.00
Chicago, scarlet Bradt, from sand or soil	1.50	7.50	60.00
Mrs. Lawson, cerise pink	3.00	14.00	120.00
Olympia, variegated, extra strong, from soil	2.00	12.00	100.00
Ethel Crocker, pink, from soil	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Estelle		10.00	75.00

	Cuttings. Per 100	Per 1000
Frances Joost, pink, fm. sd. or soil	$2.50	$20.00
Mrs. Jas. Dean, pink, " "	2.50	20.00
John Young, white, " "	2.50	20.00
White Cloud, white " "	4.00	30.00
Mrs. Bradt, variegated " "	5.00	40.00
Gen. Maceo, crimson " "	6 00	50.00
Gen. Gomez, crimson " "	6.00	50.00
G. H. Crane, scarlet	6.00	50.00

	Cuttings. Per 100	Per 1000
Gold Nugget, yellow, fm. sd. or soil	$2.50	$20.00
Argyle, carmine " "	2.50	20.00
Jubilee, scarlet	2.00	15.00
Armazindy, variegated	2.00	15.00
Evelina, white	2.00	15.00
Wm. Scott, pink	2.00	15.00
Daybreak, light pink	2.00	15.00
Flora Hill, white	2.00	15.00

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Ethel Crocker

ABSOLUTELY THE FINEST PINK CARNATION OFFERED THE TRADE

Crocker has been in full bloom every day since September 15th, is in full bloom today and as full of buds as many varieties that do not bloom until about this time.

It is a good, strong grower and cuttings ordered now will bring you good results next winter. You will not have to wait, but can have them the day they are ordered.

PRICE, per 25, $2.50; per 100, $10; per 250, $18.75; per 1000, $75.

Pansies, Freya and Fairy Queen, two good bedding novelties. Transplanted Seedlings at **$1.00 per 100.**

Petunia, Adonis new dwarf bedder, extra fine. Two-inch pot plants at **$2 00 per 100.**

ALBERT M. HERR, - Lancaster, Pa.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00

	100	1000
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

Please mention the American Florist when writing.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y.

Chrysanthemums Rooted Cuttings

Yellow Queen, Mrs. Robinson, G. Kalb, Merry Monarch, Maj. Bonnaffon, Ivory, Lady Playfair, 75 cents per 100. **BEGONIA** Rex R. C., fine mixed, $1.50 per 100. **AGERATUM** dwarf or tall, 2-in. pots, $1.50 per 100. **VINCA VAR.**, 2-in. pots, $1.50 per 100. Good clean stock at low prices for cash.

H. DANN & SON, Westfield, N. Y.

Twin City Notes.

Business has been very good this winter and Lent has not made much difference in the sale of flowers. Stock of all kinds is plentiful, except roses, which are scarce yet. Easter stock is looking good. Lilies are a little late at some places but as the weather is fair now we expect, by extra forcing, to get them ready in time. It looks as if the call for Easter flowers will be larger than ever.

Christ. Hansen, at St. Paul, has had the misfortune to lose nearly half of his stock. There was a leak in the gas main in the street in front of his greenhouses and the gas worked its way into the range, destroying completely three houses of roses, one house of carnations, one of violets and a part of a house of palms. He expects to hold the gas company for the damage. L.

WALDEN, N. Y.—The co-partnership between E. & S. Koffman has been dissolved but the greenhouses will still be conducted by Mr. Bloomingdale.

AUBURN, N. Y.—Carl Armbuster has been awarded $1500 from the Auburn Gas Co., for damages sustained through a leak in the gas pipe which injuriously affected his stock during several successive years.

SAN FRANCISCO, CAL.—Thomas H. Stevenson, at Mill Valley, grows two new violets of the Princess of Wales type. One is the variety Duchess of Marlborough and the other Admiral Avellan. The former is large and deep blue, the latter is small and magenta.

DES MOINES, IA.—The down-town store and conservatory of I. W. Lozier was destroyed by fire on March 27. The loss was $2,000, with insurance of $500. Mr. Lozier is entitled to the sympathy of the trade as he has been very ill all winter and was just able to be up and working when this blow fell.

AMHERST, MASS.— M. B. Kingman furnished the plant decorations for the recent Amherst College Junior Promenade, the social feature of the year. It is followed by the annual receptions of the Greek letter fraternities, which are largely attended by the young ladies from Smith College. These fraternities are very strong here, there being no less than twelve of them that own and occupy their own houses and their festivities call for a great many flowers.

COLEUS.

Crimson Verschaffeltii, Golden Bedder and Golden Queen, 75c per 100; $6.00 per 1000. Coleus in variety, 60c per 100; $5.00 per 1000. Special price on large orders.

Ageratum, blue and white	$ .60 per 100
Ageratum Princess Pauline	.75 "
Giant Sweet Alyssum	.60 "
Heliotropes, 12 varieties	1.00 "
Heliotropes, 2 inch pots	2.00 "
Salvias Splendens and Bedman	1.00 "

Rooted cuttings except where noted. Plants by the 100 by mail prepaid. Cash with order.

C. A. HARRIS & CO., Belanson, N. Y

ROOTED CUTTINGS

Verbenas, 40 named varieties, 60c per 100, $5.00 per 1000. Petunias, 30 named dbl. var., $1.25 per 100. Heliotrope, 15 named varieties, $1.00 per 100. Coleus, 30 named varieties, 70c per 100, $6.00 per 1000. Ageratums, 3 var. with P. Pauline, 70c per 100. Alyssum, dbl., $1 per 100. Lantanas, 4 var., $1.25 per 100. Salvias, 3 var., $1 per 100. Begonias, from 2½-in. pots, $2.50 per 100, named vars. Chrysanthemums, R. C. $1.25 per 100, all named. Express prepaid on rooted cuttings.

CASH WITH ORDERS.

S. D. BRANT, Clay Center, Kansas.

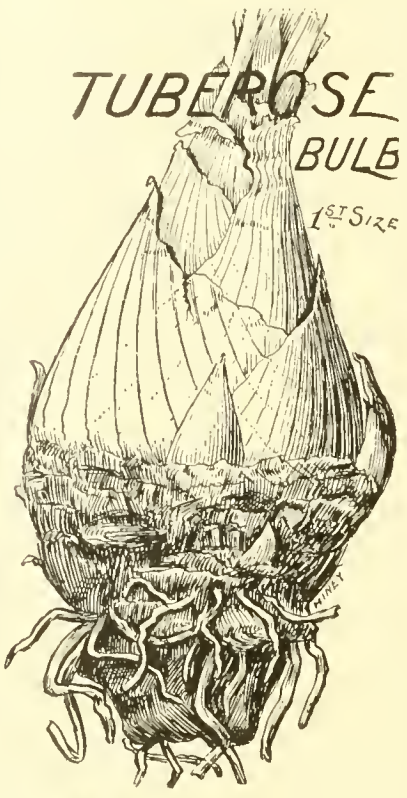
ARAUCARIA EXCELSA,

2¼ inch pots, 2 to 3 tiers.....$16.00 per 100
3 " " 6 to 8 in., 3 tiers, $20.00 per 100

GREVILLEA ROBUSTA, 2-in. pots, 6 in. high $3.00 per 100.

ARECA LAPIDA, 2-in. pots....$4.00 per 100

F. LUDEMANN,
Pacific Nursery, San Francisco, Cal.



Excelsior Pearl Tuberoses

The True Dwarf Pearl. Southern Grown and of Extra Quality; Bright, Sound and Healthful.

Monster Bulbs, 6 to 8 inches, $1 per 100; $8 per 1000.

First-class, 4 to 6 inches (size of cut), 75c per 100; $6.00 per 1000. Second size, 2½ to 4 inches (all blooming Bulbs), 50c per 100; $3.50 per 1000.

ORDER QUICK, AS THEY ARE GOING RAPIDLY.

J. T. LOVETT,
Little Silver, N. J.

SMILAX FOR EASTER

Fine heavy strings, $15.00 per 100. Place orders early.

FURROW BROS., GUTHRIE, OKLAHOMA.

WE HAVE THEM **FERNS**

LAUREL FESTOONING,

For decorations; 4 to 7c, none better in the market.

Princess Pine by the 100 lbs., $3.50.
Galax Leaves, bronze or green.

Write for prices on everything.

CROWL FERN CO.
Millington, Mass.

Please mention the American Florist when writing.

GOOD STOCK.

Geranium Ivy, 3-in., $3 per 100; Petunias from Dreer's Superb Double Fringed seed, 3-in. $3 per 100; 4-in. $5 per 100; Verbena, Dreer's Mammoth, 3-in. $3 per 100. Artillery Plants, 3-in. $3; 4-in. $4 per 100. Flowering Begonias in var. including Vernon, Vulcan and Duchess of Edenburg, 2-in. $2; 3-in. $3; 4-in. $6. Dwarf Sweet Alyssum, 2-in. $2. Coleus, Verschaffeltii, 2-in. $2; mixed, 2-in. $1.75; rooted cuttings, 60c per 100. Alternanthera, 2-in. $1.75 per 100; rooted cuttings 50c per 100.

J. S. BLOOM, Reigelsville, Pa.

Lettuce Plants—Big Boston, Boston Market, Belmont Forcing, Curled Simpson, 15c per 100; $1.00 per 1000.
Tomato Plants—Dwarf Champion, 20c per 100; $1.50 per 1000.
Mignonette—Allen's Defiance, 2-inch, fine strong plants, $2.50 per 100.
Smilax—From flats, 30c per 100; $2.50 per 1000.
Cyperus Alternifolius and Gracilis—Large clumps, can be divided into 15 or 20 plants, $3.00 per doz.
Medeira Vine Roots—Large, $2.00 per 100.
Cash please. RS. GRISWOLD, Worthington, O.

For Sale or Exchange

2000 fine 'Mums, $3.50 per 100; $30 per 1000; or will exchange for palms, ferns roses, carnations or any mixture of plants.

J. K. POSTMA. HOPKINSVILLE, KY.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1.50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1.00
Olympia, variegated	12.00	Flora Hill, white	2.00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1.50
Mrs. O Bradt, var.	5.00	Wm. Scott, pink	1 00
Glacier, white, fine	4.00	Lizzie McGowan	1 00

Gen. Maceo, best crimson.....$5 00 per 100
Mrs. Jas. Dean, fine pink..... 3 00 per 100
Nephrolepis Cordata Comoacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz.

GERANIUMS.

2½ inch, in variety	$3 50 per 100
Smilax, transplanted	.75c and 1 00 "
Coleus, 2½ inch 6 varieties	2 00 "
Coleus, rooted cuttings, 6 varieties	75 "
Rex Begonias, in variety, 2 inch	3 00 "
Asters, Queen of Market, 3 col., transplld.	.50 "
Dracaena Indivisa	$10 00, 15 00 and 20 00 "
Heliotrope 2½ inch	2 50 "
" 3 "	5 00 "
Ageratum Taous, blue, 2½ inch	2 50 "
" Princess Pauline, 2½ inch	3 00 "
Roses, Bride and Bridesmaid, 2½ inch	3 00 "
Ferns for dishes, 2½ inch	3 50 "
Salvia Splendens, 2½ inch	2 50 "

Cash please. CARL HAGENBURGER, West Mentor, O.

THE Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

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FOR EASTER FERNERIES.

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CYRTOMIUM FALCATUM,	$4.00	$35.00
PTERIS SERRULATA,	3.50	30.00

☞ SEND ORDERS EARLY.

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3530 Michigan Ave, CHICAGO, ILL.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

PEPPER, small plants for transplanting, in several varieties; 25c per 100; $2.00 per 1000. Add 10c per 100 if by mail.

EGG PLANTS, New York Improved, for transplanting, 25c per 100; $2.00 per 1000.

CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM. (no finer strain on the market) now ready to ship. A splendid stock of plants, in four separate colors; August Seedlings from 2½-in. pots, $5 per 100 $40 per 1000; October Seedlings from flats, $3.50 per 100, $30 per 1000. **SATISFACTION GUARANTEED.**

PAUL MADER, East Stroudsburg, Pa.

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ASPARAGUS SPRENGERI, fine plants, 2½-in. pot ..... $4 per 100
NEW FORGET-ME-NOT, Sutton's Gems, large plants ready to bloom ..... $5 per 100
DAHLIAS, named sorts, field roots ..... $4 per 100
BEGONIAS, (tuberous) single ..... $2 per 100
GLOXINIAS, fine strain ..... $3 per 100
GLADIOLI, fine mixture, 2d size ..... $4 per 1000

SEND FOR CATALOGUE AND LIST OF BULBS.

A. BLANC & CO., Philadelphia.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. **SEED** as usual.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

CYCLAMEN PERSICUM GIGANTEUM.

In the various colors and shades. Plants are in healthy condition, $5.00 per 100; $40.00 per 1000.

Money Order Office Chestnut Hill, Phila.

EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA.

ROOTED CUTTINGS. .....USUAL PRICES

COLEUS—Verschaffeltii, Golden Queen, mixed. HELIOTROPE, DOUBLE PETUNIAS, SALVIAS, ETC. ALTERNANTHERA, four kinds.

L. H. FOSTER, 45 King Street, Dorchester, Mass.

The Biggest Bargain of Your Life!

100 IRIS MILLER,

An extra large flowered salmon Carnation, very striking, a good seller and a good grower and bloomer.

100 LESLIE PAUL,

A large flowered deep pink or red Carnation, far ahead of anything in its color, a little late in coming, but if it is not topped after August 1st, it can be had in full bloom for Christmas.

100 ELSIE FERGUSON,

A large, finely formed orange salmon flower, a good grower, early and free. A decided novelty and a good one to have.

The 300 for $5.00, Or 50 of each for $2.50. No order taken for less than 50 of a variety. Will also sell them in separate varieties at $2.00 per 100.

PANSIES.

Two good novelties in bedding pansies, Freya and Fairy Queen, transplanted seedlings, at $1.00 per 100.

PETUNIA.

New dwarf bedding variety Adonis, bright carmine with pure white throat. Two inch pot plants at $2.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

Nanz & Neuner's New Seedling Rose WINNIE DAVIS.

UNDOUBTEDLY the finest pink rose introduced in many years, being a cross between Kaiserin Augusta Victoria and Belle Siebrecht. For forcing it cannot be excelled, and for outdoor growing it is one of the finest. Consult our Illustrated Catalogue for full description and price.

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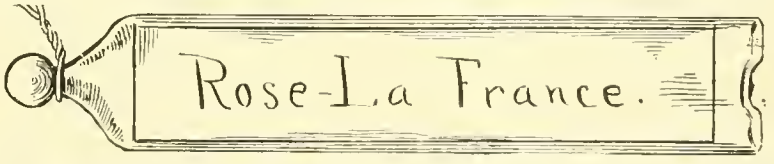

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W. W. DODGE, BURLINGTON, IOWA.

Now is the time to get Stock of

ARMSTRONG'S EVER BLOOMING TUBEROSE

Excelling all other Tuberoses as a Cut Flower, blooming more freely than any other variety. the same bulb continuing to send up flower stalks consecutive seasons. The grower is sure to be pleased.

ADDRESS

LUTHER ARMSTRONG, Kirkwood, Mo.

PANSIES!

Large plants only, extra fine and stocky, in bud and bloom. The best mixture of Cassier, Bugnot, Odier and Trimardeau. Note reduction, $1.00 per 100; $7 00 per 1000. **AZALEAS,** 4-inch pots, 10 to 12 inches high, well set with buds, $2.25 per dozen; 3-inch $8 00 per 100. Cash with order.

HENRY ERNST & SON, Washington, Mo.

FINE 2-IN. STOCK.

	100	1000
Alternanthera, 2 varieties	$1.50	$14.00
Lobelia, trailing blue	1.50	
Double Petunias, mixed	1.50	
Verbenas, mixed	1 50	
Fuchsias, mixed	1 50	
Vinca Variegata	1.50	
Ageratum, blue	1 25	
German Ivy	1 25	
Begonia Metallica	2 25	
Golden Bedder and Verschaffeltii Coleus	1 50	15.00
Mixed Coleus	1.35	12.50
Flaber carnations, rooted cuttings	.75	
McGowan " " "	1.00	

R. I. HART, Hackettstown, N. J.

SPECIAL OFFER,

A. 1 stock of Brides and Bridesmaid 2-inch at $2 per 100; $15 per 1000, Rooted Carnation Cuttings, Flora Hill, $1 per 100; Jubilee, $1 per 100; White Cloud, $2 per 100. CASH WITH ORDER.

WEST VIEW FLORAL CO., Knightstown, Ind

Carnations. ROOTED CUTTINGS McGowan, 75c per 100; $6.00 per 1000. Scott, $1.00 per 100. Hill, Daybreak and Webb, $1.50 per 100.

VIOLETS, rooted runners, Louise and Campbell, 50c per 100. **A. S. Chase, Cumberland Centre, Me**

NO MORE FUNGOID DISEASE

THE NEW DISCOVERY

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THE FUNGUS AND DISEASE DESTROYER AND FERTILIZER.

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"Ours have **never been so free from rust**".—MR. FOSTER, Head Gardner, Glendaragh, S. Devon.

"Surpassed anything I had hoped for. **Not a spot or blemish on them.**"—MR. HIBBERD, Abbots Ripton Hall, Huntingdon.

"**Like small gooseberry bushes, never showed a trace of disease.**"—MR. HEMSLEY, Seapoint, Birchington.

"**No sign of rust.**"—MR. JOHNSON, 25, Mersey Road, Aigburth.

CHRYSANTHEMUMS.

"I tried the "**Veltha Emulsion**" on some Chrysanthemums badly affected with "Rust," and after syringing them 3 times at intervals of 2 days they were completely cleaned of the disease."—MR. F. TUNBRIDGE "Brooklands," Broomfield, Chelmsford.

"I tried "**Veltha**" on some Chrysanthemums for "Rust" and had no further trouble."—MR. D. R. DIXON, The Gardens, Hagley Hall, Stourbridge.

"The "**Veltha**" I had from you for the Rust on my "Mums," has done its work well, and this season I have had much better blooms and free from rust."—MR. WM. LEWIS, The Gardens, East Suttoo Park, Near Maidstone.

"**Not a trace of rust.**"—MR. ANDREW PORTER, Head Gardner to Lord Ashtown.

"**A great success.**"—MR. S. FOSTER, Head Gardner, Teuterden Hall, Middlesex.

"**A valuable discovery.**"—MR. HARMER, Head Gardner, "Riversdale," Thames Ditton.

TOMATOES.

"Having now had a fair trial of "**Veltha**" as a cure for Tomato Disease, I am glad to inform you I have found it a **thorough success.** I dressed all the houses with it except one. Those dressed with "**Veltha**" were entirely free from the slightest trace of disease, and **carried a splendid crop**; the house which was not so dressed was a **total wreck.** I expect there will be a large demand for it amongst Tomato Growers this season."—MR. M. CAMPBELL, of Auchinraith, Scotland

ESSEX.—"A house of Tomatoes treated with "**Veltha**" gave a good crop almost free from disease, notwithstanding that the previous season it was a mass of corruption."—MR. MUERS, Hockley.

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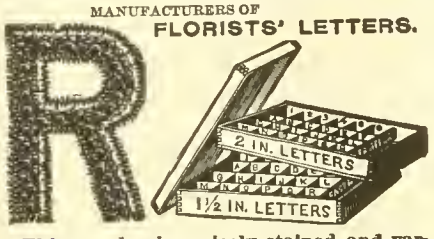

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No labor required. Harmless to bloom and foliage.

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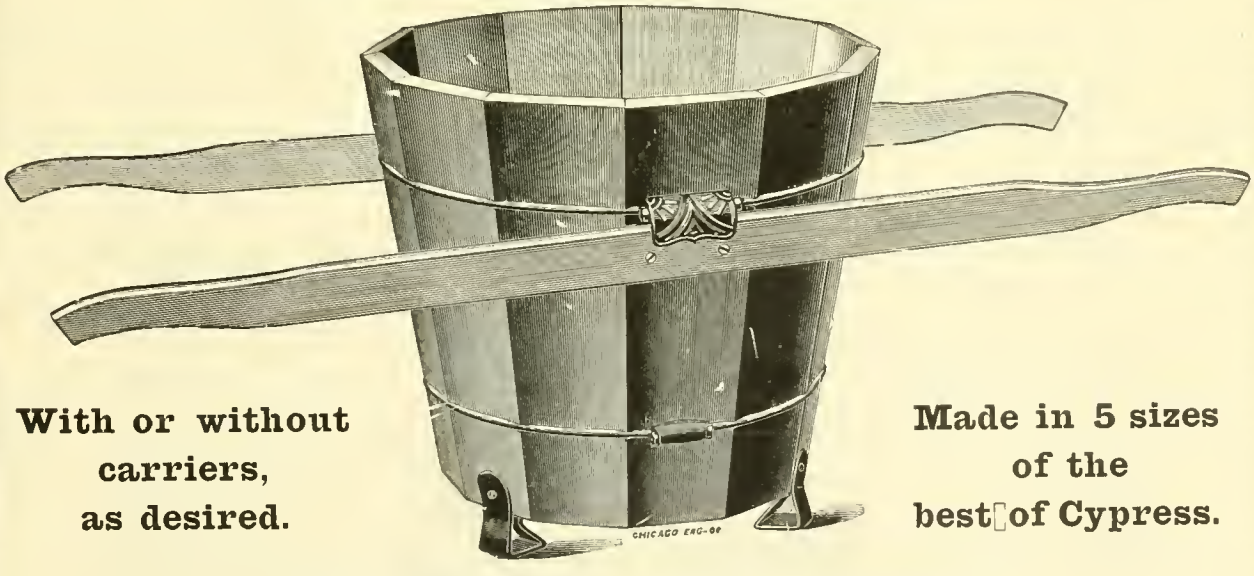

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The store of John C. Hatcher has been so extensively remodeled that it is now unquestionably one of the finest establishments of its kind in the country, and such as to give the proprietor every reason to be proud of the success he has achieved as a florist. The floor has been dropped to the street level as far back as the palm garden, to reach which one ascends several marble steps. The flooring is something entirely new in this section, being known as terraza. From the timbers to the surface it is nine inches in thickness. The bottom is of cement, into which is driven, and then rolled, crushed Italian marble, which is next polished and oiled.

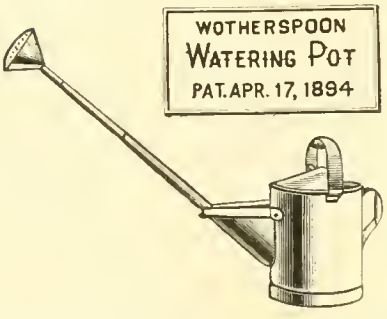
This work, which occupied several weeks, was done by an Italian who was brought to this country by one of the Vanderbilts, in whose palatial home he spent three years putting in similar flooring. The baseboards are of white marble and the walls are finished in a harmonious tint, while the ceiling is metal.

The palm garden in the rear is one of the most attractive features of the store. In the basement are cool rooms and the work shop. Mr. Hatcher reports business excellent all winter.

NORTH ADAMS, MASS.—Business has been generally satisfactory here all through the winter and the prospects for spring plant trade are particularly good. M. S. Worden, who has been on the sick list for several weeks, is now rapidly recovering. It is likely that considerable glass will be erected here the coming season, of which some 1500 feet will be added to Mr. Worden's establishment.

Quality!

THAT'S MY TALKING POINT.



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When you buy a galvanized pot see that it has this soldered on, and you will have a pot that there is more care taken in the manufacturing of than any other made.

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Yours truly, L. L. MAY & CO.

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Universal Insecticide

For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

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Smilax stringing made easy by the use of

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GREEN SILKALINE

Just the shade of the foliage. Samples and prices free.

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For Lawns and Cemeteries.

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Perpetuated Palms and Palm Leaves.

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Our daily capacity is four 100-ft. Greenhouses.
Does this signify anything?
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BONE MEAL
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100 lb. bag.....$1.75 ½ ton $14.50
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"The Black Stuff" 2 cts per pound 50 to 1000 pounds
The Best for florists
Yes my specialty, I have made the wants in this line by the growers a study and know the grade that kills; if it fails your money back
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Made for my own use and the use of other Florists who want a good article. Try a bag now and be convinced. . . . .
$3 50 per 200-lb. bag, and $35.00 per ton.
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I have now on hand a large quantity of A1 SHEEP MANURE. ☞ Send for Price List and Sample.
Best Fertilizer for Top Dressing.
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The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!
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Sheep Manure
DRIED AND PULVERIZED.
PUREST and cleanest Sheep Manure on the market. Write for samples and prices.
PLACE ORDERS NOW.
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Pulverized, $8 00 per ton.
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THE BEST.....
EDITION and PAMPHLET BINDERY

TO BE FOUND IN THE UNITED STATES.

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There is in this neighborhood a wealth of good Easter material coming along in good shape. Frank Garland still has a large stock of his fancy tulips on hand. Roses grown here in solid beds are satisfactory from the fact that they bloom all the year around. Mr. Garland has a fine house of adiantum and one of smilax. Carnations are producing freely and 5,000 gladioli look as if they would be just right for the festive season. Mr. Garland will do considerable tearing down and rebuilding this year and he will also put in a new boiler.

S. Garland, Jr., grows a great variety of material, his callas and violets being especially noteworthy. Freesias and forget-me-nots are good. Pansies promise an abundant crop of bloom and Daybreak carnations are very fine. Mignonette is used here extensively to fill breaks in the carnation benches, and judging from its quality, it likes the situation.

W. S. Garland is just getting over an attack of sickness but he was busy, nevertheless, at the time of our visit, bunching extra fine Daybreak blooms.

FORT WAYNE, IND.—Mrs. Augusta Wulf, formerly at 72 Barr street, has opened a very attractive store at 130 Calhoun street.

PADUCAH, KY.—C. L. Brunson & Company have completed the rebuilding, upon enlarged scale, of the two houses recently destroyed by fire and now have an establishment thoroughly up-to-date in every respect.

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ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
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Before buying write for prices
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FIRST QUALITY.			ORDAM COLOR.		
1¾ in., per 1000		$3 60	3½ in., per 1000,		$ 4 95
3 in.,	"	2 75	4 in.,	"	6 20
2½ in.,	"	3 35	5 in.,	"	10 80
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Packages extra.

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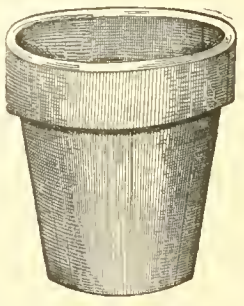
RED POTS



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FRESH TOBACCO STEMS, one cent per pound,
Put up in bales of two to three hundred pounds.
C. C. POLLWORTH CO.,
FLORISTS' SUPPLIES.
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Flower Pots,
STANDARD SIZES.
FULL SIZE AND RED COLOR.

	Per 1000		Per 1000
2-in	$2.74	4½-in	$10.26
2½-in	3.76	5-in	13.68
3-in	4.77	6-in	20.52
3½	6.00	7-in	34.20
4-in	7 50	8-in	50 00

No Charge for Packages. Terms Cash.
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W. J. SMITH, SR., Prop.
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THOSE RED POTS
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y,
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Adjustable Vase Holders.
No. 1.—Brass, nickeled, 4 feet long, six clasps to each rod.
Price complete (with green or white tumblers).....$2.25.
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(As per illustration), 4-inches long, ½-inch diameter, per 100, $3.50.
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1500 2¼ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
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144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address
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HIGHEST QUALITY
LOWEST PRICES.

Purcellville, Va., Dec. 5 1899

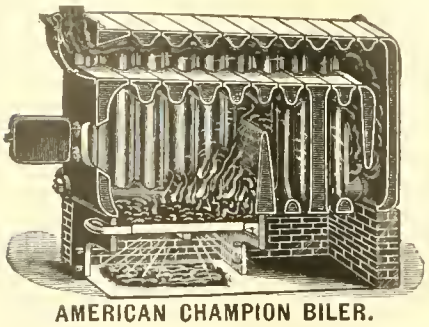
Write to state that the #2 boiler we bought of you last summer is taking care of 30000 ft. of glass with great ease.

Last night temperature outside stood at 20° and wind blowing a gale, but the night fireman maintained an even temperature with but very little draught, and I believe it will give us all the heat we need ~~with~~ in the coldest weather. The boiler is all and more than you claim for it, and is entirely satisfactory in every respect.

Very truly
A. B. DAVIS & SON.
per W. B. Davis
Mgr.

This Boiler is taking care of 7500 feet more than its rating - They all do more than we claim for them

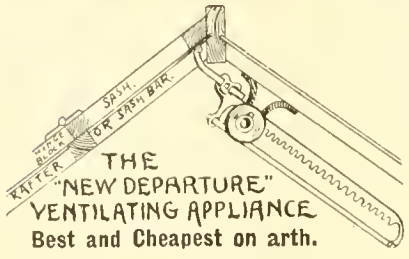
This is the Boiler.



AMERICAN CHAMPION BILER.

This is mi picter as the only AMERICAN BORE.

THE EVERLASTIN HINGE.

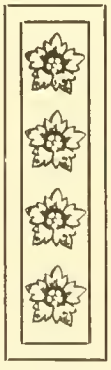


MR. EDITUR:

I hev bin a readin awl about the diffikilty in South Afrike an it made my blud bile to hear how them Bores is treated. Mi frenz tels me ime sumthin uv a bore miself when ime trien to sel em mi Bilers an fixins. Wel i made up mi mind tew jine the bores an help em tew lik them britishers, so i got sum soger klose an had mi pictur took as a starter, an by this time wud heve bin fitin on top uv a kopj or a runin mi best licks towrd Damittohldorph—whitch is klose Pertoria—if the tailor an Picter man hadn't took a lean on me fur wot i owed em, so ile hev to sel a lot uv mi Kole savin Bilers an Nu Departer MEAT SAW Sash liftin contrapshins and Everlastin Sash Hinges afore i kin go to save the Bores, so ef Florists heve anny liken fur the Bores or simpatha fur me thay wil send in ther orders. Mi name is J. D. Carmody an i liv in Evansville, Indiana, klose to Posey Kounty.

P. S.—Mi name wen i get amung the Bures, el be Ginerale Joccobus Damiter Karmoditus Stein-burger, Kommandur uv the Amazon Kore.

We are supplying



material for extensions for some of the best-known growers in the country, men who would not have "cheap" lumber, whose first requirement is quality.

Let us give an estimate on your contemplated houses; the figures will be so low they'll surprise you. Then we'll tell you where you can see samples of our work; it will be so good it will please you.

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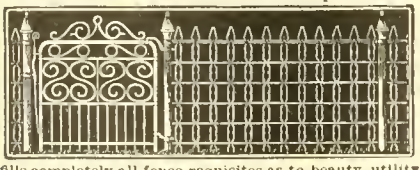

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Or Room 46, 809 Broadway, New York City.

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This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.
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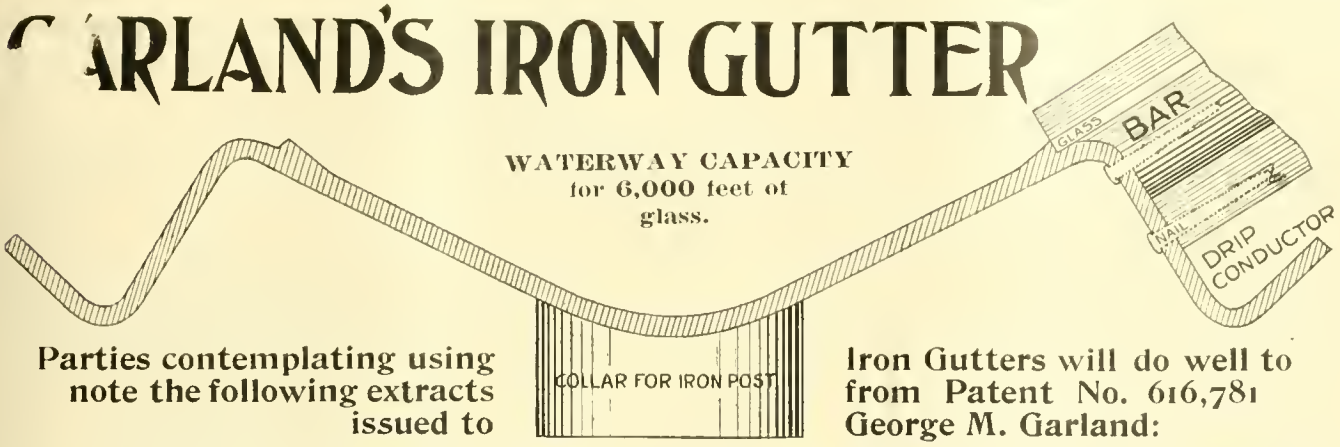
American Florist Advts.

Mean More Business.

GARLAND'S IRON GUTTER



Parties contemplating using Iron Gutters will do well to note the following extracts from Patent No. 616,781 issued to George M. Garland:

The object of the invention is to provide a valley-gutter for greenhouses which will be so constructed as to combine a stop for the glass and a drip conductor.

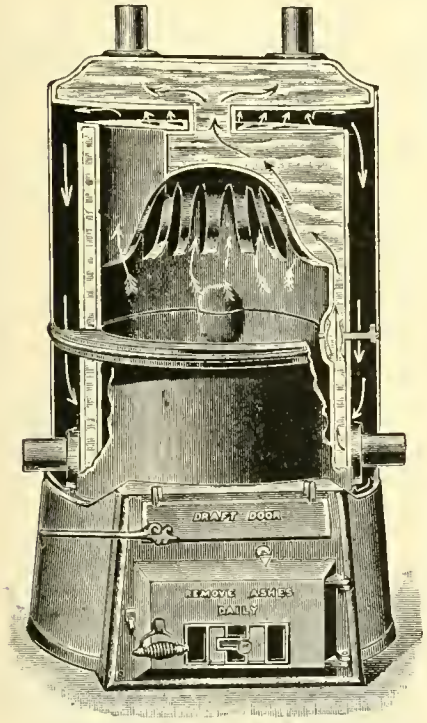
Another object of the invention is to so construct the gutter that the devices for fastening the gutter to supports will be below the weather-face of the gutter, thus avoiding perforations of the weather-face and consequent liability to leakage.

The nails, screws, or other fastening devices are passed through the drop flanges and into the lower ends of the roof-beams, so that these fastening devices for connecting the valley-gutter to the roof structure are below the weather-faces of the valley-gutter, and consequently the weather-faces of the valley-gutter need not be perforated, insuring against leakage.

George M. Garland

GEO. M. GARLAND, = = Des Plaines, Ill.

High Grade Heaters



Our Catalogue B contains information valuable to Florists and will be sent with prices on application.

(ALL CAST IRON.)

In our **STANDARD BOILERS** the castings containing water have numerous shallow chambers that hang over the fire and immediately receive all heat and allow none to pass wasted to the chimney. The Boiler contains only three cored castings and is quickly erected.

NO WATER CASTINGS

Are exposed to outside air, but protected by cast iron asbestos lined casing which effectually prevents the radiation of the heat and causes the water chambers to be entirely surrounded by the heat.

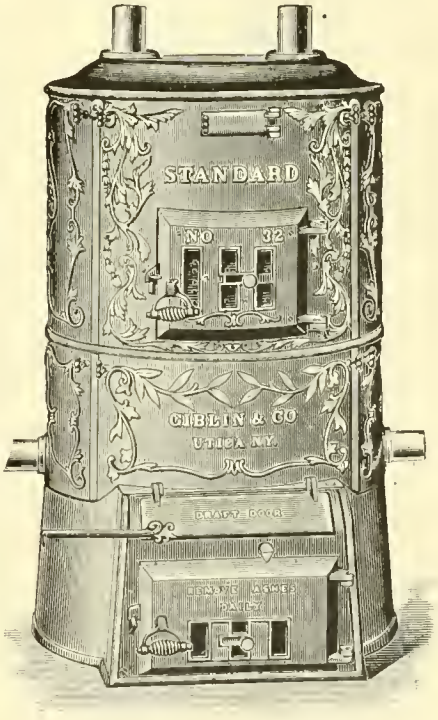
SIMPLICITY OF OPERATION

WITH ENORMOUS EFFICIENCY IS THE CLAIM WE MAKE FOR THIS BOILER.

P. B. MAGRANE, Florist, Lynn, Mass., says:

"Your Standard Hot Water Boiler No. 32 is all that you recommend it to be. It does the work for me nicely that other boilers have failed to do. It heats a greenhouse 80x18 and also a large two-story barn and makes them quite comfortable in the coldest weather. I highly recommend it to any one as a first-class heater both from point of efficiency and economy."

We make a special price on the first Boiler going to a place where we have none in use.



GIBLIN & CO., UTICA, N. Y.

New Haven, Conn.

The cut flower trade has shown little change since Lent commenced, funeral work taking the place of decorations for social functions. The funeral of ex-Senator Graham on March 22 was an occasion for good work and most of the local craft did some of it. The retailers are a little anxious at the outlook for plants for Easter. Lilium longiflorum is rather backward with most growers and a number will not have any in at all. Azaleas are looking very good and the prospect is that we will have enough to go around. Crimson Ramblers and other flowering plants are looking very well. Roses and carnations are both coming in plentifully for Easter week.

The florists of Middletown who handle seeds are complaining that the gratuitous distribution of seeds by the government has materially interfered with their business. Nearly every voter whose name appears in the city directory has received a quantity of the free seeds through the mail.

The recent wind storm damaged the greenhouses of Fred Horn to the extent of two boxes of 16x24 glass.

Recent visitors: Rob't Greenlaw, Boston; C. Smith, of Smith & Fetters, Cleveland; L. Siebert, East Hampton, Conn.; J. Herman, New York; G. G. McClunie, Hartford, Conn.; R. Dryer, Woodside, N. Y.

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IS MUCH MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.
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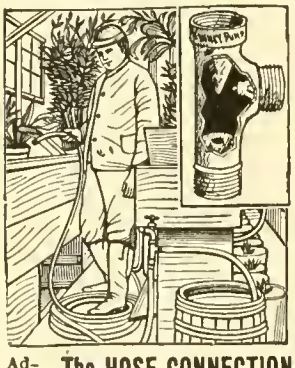
Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.
THE A. T. Stearns Lumber Co., Neponset, Boston, Mass.



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Sent prepaid for $2.50.
Without spraying valve $2.00.
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THE SCOLLAY BOILER
"INVINCIBLE"
FOR GREENHOUSE HEATING.
Steam or Hot Water.
SEND STAMP FOR CATALOGUE.
JOHN A. SCOLLAY,
74-76 Myrtle Ave., BROOKLYN, N. Y.

FOR SALE CHEAP.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 458 W. Broadway, NEW YORK.

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We carry at all times a complete stock of all sizes of second-hand pipe in first class condition, repainted, rethreaded and complete with couplings. Our prices will interest you.
We have been selling to Florists generally for years,
BOILER TUBES OR FLUES
Of a second-hand nature, for hot water heating, and for general purposes. It is all in nice condition and practical for further use. Note our prices:

2 inch	6 cts. per ft.
3 inch	8 cts. per ft.
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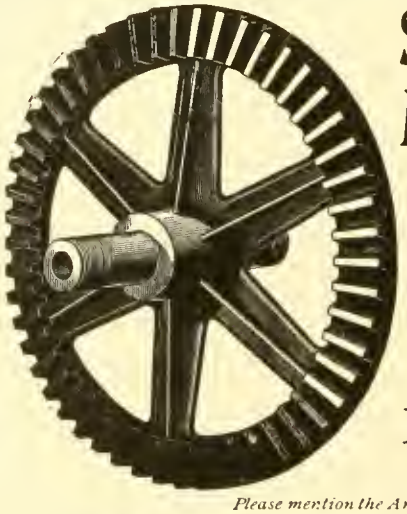
Write for our catalogue No. 47, quoting low prices on SASH, ROOFING GLASS, BRAND NEW GARDEN HOSE, and supplies in general bought by us at SHERIFFS' AND RECEIVERS' SALES.
CHICAGO HOUSE WRECKING CO.,
West 35th and Iron Sts. CHICAGO, ILL.

Please mention the American Florist when writing.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YOUNGSTOWN, OHIO.

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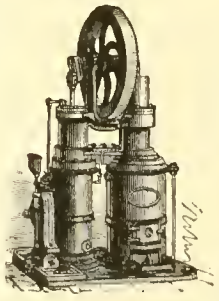
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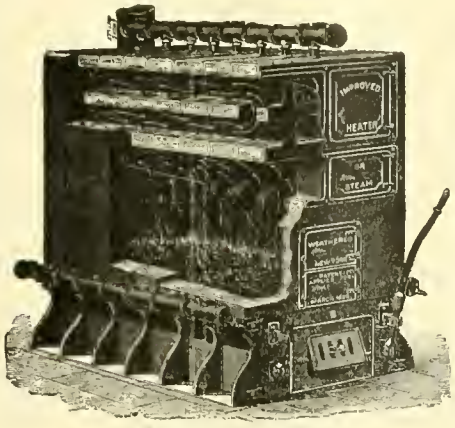

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Patent Improved Sectional Boiler
1899 MODEL

1898 SILVER MEDAL awarded us by the N. Y. Florists' Club for best construction. Send 4 cents postage for Illustrated Catalogue. . . .

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BROOKLYN, NEW YORK, March 23, 1900.

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GENTLEMEN:—

I purchased from you last September one of your Sectional Hot Water Boilers for my Greenhouse at Flatbush, and was so well pleased with the results that I bought another one for my Keap Street Greenhouses, taking out another make.

Anything I might say would not be too high praise for your boilers.

It works perfectly, and I am pleased to say that so far I have saved in coal one-half the cost of the boiler. They will therefore pay for themselves in another year, a result which I consider remarkable. I would be pleased to reply to anyone desiring the actual proof of above.

Yours very tru'y,

Signed, JOHN SCOTT.

P. S. Kindly book my order for another boiler. I will let you know later when to deliver it.
J. S.

Conical Boilers
Seven Sizes

Self-Feeding Boilers
For Small Conservatories

Conservatories, Greenhouses, Etc.

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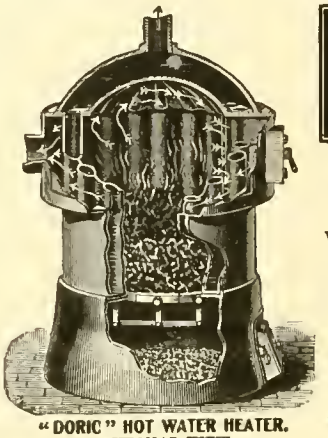

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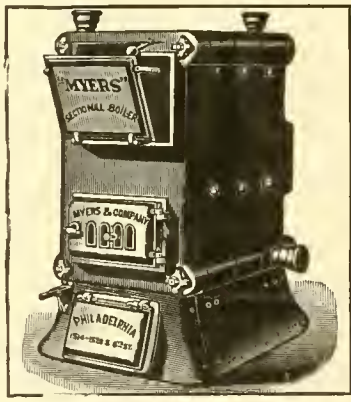

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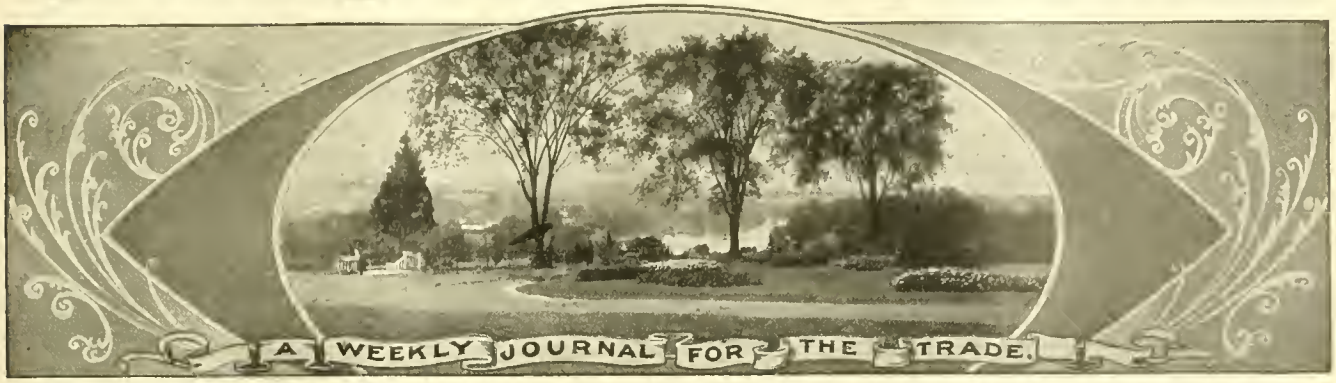

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OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Easter Indications.

A few days more and the Easter rush will be upon us. If the experience of last year counts for anything we may look with confidence for an enormous plant trade and unless very unseasonable weather should ensue the cost of packing will not be large, as by April 15 the outside temperature should be favorable. Another advantage of this late Easter is that it leaves the plant grower no good excuse for forcing the life out of his plants in order to be on time. Let us hope, for the credit of the business and the future prosperity of the plant trade that the soft, short-lived stuff that has brought dissatisfaction so often in the past may be conspicuously absent this season and that customers' faces may be wreathed in smiles instead of frowns as they come in to pay their bills to the equally happy florist.

Lilies are a "tough proposition" this year. The stock being grown is mostly Japanese but, while fairly free from disease, is so badly mixed as to give very irregular results and many a poor grower has been nonplused by conditions that he has never faced before. In some lots there is quite a sprinkling of a very narrow and long leaved variety that has yet to show signs of a single bud. Other lots are composed mainly of a robust growing, thick stalked and broad leaved variety that is much slower than the type and bears very few flowers, three or four to a strong stem only, and the bulbs that produced these are pronounced to have been the most promising looking bulbs offered last fall, hence very deceptive. In buying your lily blooms from the wholesaler, if you do not grow your own, it is wise to have the flowers shipped a few days in advance in a half-opened state, thus avoiding the danger of bruising.

The Crimson Rambler will presumably enjoy an enormous sale this year and is now secure in its position as one of the leading Easter plants. As the quantity produced increases from year to year it is to be hoped that overproduction and trade rivalry will not be such as to cut prices on this plant to a ruinous extent. From beginning to end much labor and care is required for the production of a well-bloomed Easter rambler and the grower who does it well is entitled to his profit. The stock as seen in different establishments varies in grade and in some cases in reverse ratio as compared with last year. This is accounted for, in part, by the fact that the last summer being much dryer than its predecessor, it especially favored the grower with heavy soil, this rose doing poorly in light soil in a dry season. Some growers overlook the necessity of training their ramblers low so as to bring a good mass of foliage down close to the pot and the bare, unfinished appearance of their plants underneath is a great drawback in their sale. Good foliage is a very important requisite in a rose. Look out for too much heat, also for underwatering, as both these conditions will take the color out of Crimson Rambler. The White Rambler is a pretty and prolific bloomer and while not especially desirable in quantity, a few plants of it are a great addition to the Easter display, making the red variety brighter by contrast. Under the same treatment it comes in a month ahead of Crimson Rambler, hence should be started later in order to get it in at Easter.

Azaleas have been somewhat draggy in sale this winter. Various reasons may be advanced but none more effective than the fact that growers have not been careful enough to produce plants that will last a reasonable time after being delivered to the customer. There were more than the usual proportion of poor plants sent over here last summer, but many an otherwise good azalea has been spoiled by over-forcing. It is not so well known as it should be that a very light frost in the fall is apt to ruin the flower buds of azaleas that later on, when they are well matured, will withstand a considerable freeze without injury. For an Easter variety Vander Cruysen is, by far, the best. Empress of Brazil is an unexcelled light pink one but takes a little more heat than Vander Cruysen if it is wanted to bloom at the same date.

Astilbe in three standard sorts will be seen in quantity this Easter. The old Astilbe Japonica makes up grandly in a 16-inch pan, about a dozen clumps to a pan. Be careful, however, in arranging such to have them all of one variety. If elevated on stands above the other plants on the greenhouse bench the outside foliage will droop gracefully, almost hiding the pan. These arrangements offer innumerable opportunities for the ingenious artist; for instance, by the addition of a few stalks of lilies and long-stemmed American Beauties they can in a few minutes be transformed into a superb floral basket or center piece.

Hydrangeas seem to be regaining somewhat the popularity which they lost a few years ago. Grown cool, they should be classed among the most persistent

rather than the most evanescent plants. Buyers should in every case be particularly instructed as to the hydrangeas' need for an abundance of water. Those on view this year are unusually well colored, both pink and blue. Growers are also anticipating a better demand for genistas this Easter than has been enjoyed in recent years. This plant, like the azalea and the hydrangea, owes its lapse from popularity to the unnatural forcing conditions imposed upon it by the growers.

Violets, primroses and such small plants, as well as all the spring-flowering bulbs from snowdrops and grape hyacinths up, should be provided by every florist to meet the Easter demands of customers of moderate means. Some of the prettiest effects are possible with these little subjects. Supply dealers offer a great variety of small hampers and dishes in which a tasteful artist can arrange them attractively and, if offered at a fair figure, which does not contemplate one hundred per cent profit on the ribbon and other trimmings, can be disposed of in large quantities.

About the cut flower trade for Easter—well, the general florist doesn't care whether he sells plants or cut flowers so long as he pleases his customer and makes his profit, but the exclusive cut flower grower may well look to Easter with some anxiety. Perhaps he will realize that the best way to ruin whatever business has been left for him by the plantsmen is to double up the shipping price of his product a few days before Easter. The public love roses and they will buy them freely if satisfied that the goods are fresh and the price reasonable.

Nicholas Kress.

One of Baltimore's old time florists stepped aside to make room for the younger generation when Nicholas Kress relinquished his place on North avenue to his son, Edward, who will carry it on for himself hereafter. The elder Mr. Kress was born in Hindersteinan, Hessen, Germany, April 15, 1822, and served a six years' apprenticeship at gardening before he came to Baltimore, in 1846. He worked as a private gardener fifteen years before he started the business which he has carried on profitably ever since. His success in growing the varied assortment of plants and cut flowers required for his trade was something surprising and his effort to grow as much as sufficed for his trade and no more, and get the top price for it, was, perhaps, after all, the wisest course for the average florist to pursue. Certainly what he grew was always well grown, and the measure of prosperity he met was well deserved. That his success was fully equal to what might have been acquired by means of any other trade, his vigorous health and comfortable home plainly testify. MACK.

The American Rose Society.

At the annual meeting of the American Rose Society, March 28, President Dorrance delivered the following address:

When Providence made it impossible for your duly elected president to take upon himself the duties of the office, I confess that it was with many misgivings and a troubled mind that I stepped into his place, for I felt that the one best fitted to fill the office with honor to himself and acceptably to you, had been succeeded by one, who from inexperience and general incompetency was not only unfitted but in fact incapable of leading to a successful issue the workmen in our chosen calling and steering the society between and around the many pitfalls that are sure to lie in the path of a new organization. When I contemplated that six years ago a party of old and tried horticulturists had made an attempt to start the society, and so little interest was taken by the craft that it "died abornin'," it seemed almost useless to make a second attempt, yet when a year ago it was revivified, and a fair start made, those of us who love the rose for its own sake were encouraged. And now that we have a life membership of over thirty and a total membership of over 200, I think we may safely say that it is on a firm foundation. We can congratulate ourselves and believe that the baby so auspiciously started on its journey will grow to maturity, be an honor to its parents and a full sufficiency to itself.

It is safe to say that in the long ago when Adam and Eve wandered in the Garden of Eden and breathed the perfume

NICHOLAS KRESS.

from the little single wild roses that must have adorned that wonderful creation, they little dreamed that some day, under the fostering care of their descendants, those delicate flowers should expand and increase into the many hued and petaled flowers of to-day. That we should love our flower is not strange, since in song and story its praises have been made the theme of love and tragedy, the home of fairies and the name of wars, even as in life and death this emblem of the heart has ever been the foremost flower.

Nature has always lent a kindly aid to man in his endeavor to improve this flower and when, in frigid clime and under forbidding skies, man has lent his talents to producing its beauty to adorn his bride she has not said him nay. Who can look back even for the short space of thirty years and not feel a pardonable pride in the advancement made? From Bon Silene to American Beauty, from Safrano to Golden Gate or from Souvenir d' un Ami to Bridesmaid are leaps that only giants make. And the end is not yet. It is with due modesty we can look at the results of our first efforts and, pointing to the array of beauty which has been submitted to the view of the city of New York, say without fear of contradiction that never before in this country have so many beautiful and perfect roses been assembled under one roof. Your executive committee has endeavored to discharge the duty imposed upon its members with fidelity and impartiality. They hope for your approval and that shall be their ample reward.

In further submitting to you the reports, which you shall this day receive from your officers, I am fully confident you will find that each has tried to do his duty and succeeded. It has been the aim of each to present to all the worthiness of the object for which we strive, and that in joy and in sorrow, the happy and the weary may turn to the rose and looking in its face from their hearts all say:

Oh! never from a fairer dwelling,
The angel form of virtue smiled.

Here's to the American Rose Society, may it live long and prosper!

CHRYSANTHEMUMS.

CHRYSANTHEMUM SPORTS.

For the past few weeks there have been several articles in the AMERICAN FLORIST upon this subject, relative to a chrysanthemum bloom from the variety Wm. H. Chadwick, which diverted from the typical incurved to a reflexed form. The experience and judgment of the worthy gentlemen who have contributed upon this subject are so well and favorably known that other attempts would seem fruitless. However, it seems to me there is one point to which they have failed to give as much emphasis as it deserves, and that is the marked influence the various types of buds have upon the blooms, not only as to form, but in color and stem as well. Let us consider some varieties which most of us have grown during the past decade. Chrysanthemum John H. Taylor, sent out by John Thorpe in 1892, and described by him as a reflexed white, flaked and mottled with pink, will give a decided incurved, bright pink bloom if the terminal bud is selected, and the same may be said of Mrs. M. A. Ryerson. On the other hand, many of the varieties assume more of an incurved form when the first or second crown is chosen. Niveus, Mrs. E. G. Hill, Lady Fitzwygram, Yellow Queen, Mme. Carnot, Modesto and many others are examples of such. With some of these varieties the outer petals show less inclination to reflex, and in others the center petals give a very pronounced incurved form not obtained from later buds.

About August 15 last year we planted 300 Wm. H. Chadwick. They were a very uneven lot, being what were left after the season's trade. From these we had all kinds of flowers, the stronger plants being perfectly incurved, while the next in vigor were incurved about half way up, with the center reflexed, and the weakest (which were mere cuttings when planted) furnished perfect reflexed flowers, there being something over 100 of this form. Believing this variation was due to conditions, there was no record taken of these plants, and they were placed with the general stock of this variety, from which we are propagating and shipping for the typical Wm. H. Chadwick. I do not wish to go on record as being positive that these plants are not sports, although I believe this is true. I shall be pleased to receive notice from anyone securing a reflexed Wm. H.

ULRICH BRUNNER ROSES IN FLOWER FOR EASTER AT JOHN McFARLAND'S, NO. EASTON, MASS.

Chadwick from a bud taken not later than September 20 or a bloom not fully developed not later than November 10, and will pay expressage on such a specimen to determine the correctness of this opinion. Adula, a closely incurved variety, shows marked inclination to reflex from extreme late buds. We have had whole batches of H. W. Rieman decidedly reflexed when planted during August, and in many instances Major Bonnaffon has, under same conditions, assumed a reflexed form.

The variety in question has an inclination to become pink, which is more apparent when the petals reflex. It may be possible that those who get Mrs. Jerome Jones pink from terminal buds, might secure same results with Wm. H. Chadwick, if the latest form of buds were taken. Chas. W. Johnson, former grower for W. N. Rudd, has grown quantities of bright pink Mrs. Jerome Jones from terminals. Those who have apparent sports should fully consider the variations due wholly to condition, and give at least two or more years' trial to thoroughly establish the new type, before arriving at definite conclusions.

ELMER D. SMITH.

ED. AM. FLORIST:—The old saying that "give a knave rope and he will hang himself" is aptly illustrated in a recent issue of your Chicago contemporary by the party who writes of chrysanthemum sports. Is he a fool or a knave? When he says that the chrysanthemum exhibited last fall by Ira G. Marvin, of Wilkesbarre, Pa., and certificated under the name of Mrs. Edward Salyer, is a twin sister of Wm. H. Chadwick and produced from the same seed, he makes a most damaging admission. An open confession may be good for the soul, but it is often physically uncomfortable. While in my employ the party in question worked under my direction and I am free to state that he required closer "watching" than any man I ever had 'round. Chrysanthemum Wm. H. Chadwick was certificated in its third year a few months after he left Elmira, "shaking the dust off his feet." Of course I keep a record of crosses for reference, as do hybridizers generally; but the assertion that Wm. H. Chadwick and Mrs. Edward Salyer chrysanthemums are the first varieties produced scientifically sounds "awfully funny." As to the parentage, his memory is as deceptive as his general statements. I happen to know that Niveus is neither the seed nor the pollen parent of Chrysanthemum Wm. H. Chadwick. The same party once wrote to a trade paper that the only chrysanthemum I ever originated was Mrs. Humphreys (imported by Peter Henderson & Co.). His "sensitiveness" reminds me of the butter Bridget bragged so much about. True, Bridget performed the mechanical part of the work, but her mistress looked after all the details. The mechanical part of cross fertilization is simple enough. Success is but careful attention to details. There is no secret about it—but shallow waters make the most noise, and the fools are not all dead yet.

GROVE P. RAWSON.

The Bois de Boulogne.

One of the finest pleasure grounds in the world, if not the grandest of all, is without contest the Bois de Boulogne in Paris. Though splendid parks may be found in the Old as well as in the New World, and on your side Central Park in New York, Fairmount Park in Philadelphia and the park system in Boston, to mention only a few of them, are surely beautiful creations, yet none of them possess to the same degree the magnitude of our Bois, with the Champ Elysees and other broad avenues, which are parks themselves, leading to it. A few words about the history of the famous Bois may therefore not be out of place in your paper, before the opening of our exposition.

The Bois de Boulogne offers us the last vestiges of the ancient forest of Rouvray, which derived its name from the Quercus robur, called rouvre in French, and which was the dominant tree growing in the forest in olden times. According to the chronicle King Dagobert enjoyed hunting in the wood, many centuries ago, when he inhabited his castle of Clichy. The antique forest lost its name in the twelfth century and was then named Bois de St. Cloud, after the name of the nearest village. In the fourteenth century, a few pilgrims having, in the village of Menu-le-St.

Cloud, erected a church resembling the style of the holy building in Boulogne on the sea, the village exchanged its name for that of Boulogne and the Bois did the same.

As many of your readers know, the Bois is happily located at the door of the city, opposite the picturesque hills which border the left side of the River Seine. It is the most popular pleasure ground of the Parisians and many of our illustrious kings and queens favored its popularity by selecting it for the construction of their finest residences. Among these we may mention the Abbey of Longchamps, founded in 1256 by Isabelle of France, sister of St. Louis, and of which a few ruins can still be seen. King Francois I, on his return from Spain, built, in 1530, the Chateau de Madrid, which was successively inhabited by many kings until, in 1793, the state took possession of it. The Chateau de la Muette was the favorite summer resort of Louis XV and Marie Antoinette. The Ranelagh, built with the consent of the latter princess, after the style of a similar establishment erected near London by an Irish lord named Ranelagh, the delicious park of Bagatelle inhabited by many famous persons, all proved to be in after times valuable acquisitions to the Bois.

The first rules which insured its conservation, are due to King Louis XIV and the edicts issued by him in 1679 remained in force until the time of the revolution in 1789. Our civil trouble proved ruinous to the Bois de Boulogne. The pleasures which were formerly found in it had disappeared and about the end of the last century the Bois had become the refuge of tramps and vagabonds.

Under Napoleon the first, the Bois was greatly improved. Many trees which hindered were hewn; numerous drives created, a considerable number of species of trees, such as beech, birch, hornbeam and maple added to the oak and an effective patrol for the protection of the Bois was organized; the latter, however, suffered a good deal during our calamities in 1814-1815. The hostile forces camped in it and played sad havoc among the trees. Most of the original oaks, of which only a few remain, were felled and after the departure of the enemy the greater portion of the wood had to be cut down.

The Restoration tried to remedy the evil and to continue Napoleon's improvements by introducing the horse chestnut the Sorbus aucuparia and by establishing state nurseries and collections of trees, which proved to be very useful reserves later on. King Louis Philippe followed the same plan.

In 1841 the law of the fortifications reduced to a considerable extent the area of the Bois near the Ranelagh, Passy and Auteuil. Under the Revolution of 1848, the Bois ceased to belong to the civil list (reigning monarch) and was added to the public domain.

In 1852 the Bois de Boulogne was in no better shape than any other wood around Paris, and as the city council considered that it was not worthy of our big city, they decided to improve it. To this end the government, by a law dated July 13, 1852, gave up the wood to the city of Paris under the following conditions:

1. That the city would defray all the expenses and charges for the maintenance and survey.

2. That the series of improvements to be executed within the next four years would not amount to less than $400,000.

3. That no land would be withdrawn from their former object, but that all the land thus ceded be reserved to their actual appropriation.

The Bois at that time covered an area of about 1,900 acres, which was increased by subsequent purchases to 2,200 acres, of which about 1,000 acres is in wood, 680 in lawns and the rest in lakes, rivulets, roads, flower beds, etc. The total length of the drives and footpaths is over 100 miles, the length of the stream is not less than seven miles and that of the pipes necessary to supply the lakes and provide the water required for moistening the roads and lawns not less than thirty-five miles. The volume of water used daily during the summer is not less than 200,000 cubic feet.

The first important work was begun by the city in 1853, when the two important lakes were dug and the road surrounding them traced. With the soil excavated, the hillock of Mortemart dominating the wood and environs was created. The straight roads were suppressed and replanted, the lawns bordering the lakes made. This first work met with so much success that it was determined to transform the whole 2,000 and extend it to the Seine, from which it was only separated by the plain of Longchamps, not over half a mile wide. But the expense of such a vast enterprise exceeded to a considerable extent the amount of the first appropriation and to help the city to carry it out the government decided to create, in the above mentioned plain of Longchamps, a splendid tract for horse racing, offering to contribute one-half of the amount necessary to purchase the land. Many other additions were secured which extended the limits of the Bois on the eastern part to the fortifications, on the western part to the Seine, while the northern and southern sides were closed by a ditch or ha-ha twenty-two feet wide. The latter was itself bordered by a broad boulevard on which all residences to be built were subjected to special obligations or servitudes matching the surroundings.

The additional plan of the city for the

THE CASCADE IN THE BOIS DE BOULOGNE, PARIS.

LAKE SCENE IN THE BOIS DE BOULOGNE.

improvement of the park included the change of all straight to winding stone roads for the drivers, sanded roads for mounted men and shady footpaths, the establishment of several water courses, of three rivulets, of large lawns around the lakes and on the denuded parts; the plantation of big trees on the abandoned roads and of selected shrubs on various parts of the ground, the construction of grottoes, cascades, lakes, etc.

All these improvements begun in 1853 were ended in 1858. The expenses involved by them amounted to $3,250,000, of which one-half was spent in the purchase of additional land. If we consider, however, that the government contributed $420,000 toward the improvement and that the sale of some of the land, of the timber etc., etc., brought about $1,750,000, the charges to the city did not exceed $1,000,000, for which Paris has a promenade unique in the world. The government itself has made a good bargain, since the land around the Bois has increased a hundred times and the taxes have followed the same scale.

The charges for the maintenance of the Bois de Boulogne amount yearly to a little over $500,000, which is more than covered by the revenues or the rents paid by the horse racing club, the skating club and the restaurants and cafes established in the park. It is therefore a self supporting affair.

To conclude we may say that the plantation required not less than 420,000 trees, which at the rate of 30 cents per tree, necessitated an expense of over $120,000. The dominant trees in the Bois are still the Quercus pedunculata and the Quercus sessiliflora, but all other species sufficiently hardy under our climate are represented; for instance, the birch, poplar, ash, acacia, elm, beech, hornbeam, horse chestnut and, among the permanent-leaved trees, Pinus larix, Pinus sylvestris, Cedrus Lebani, abies, picea, thujas, juniperus, taxus, etc., etc. Of these species the cedars, larches, junipers and pines have given the best results and now form large groups on the Cedar Island.

The walnuts, oaks, tulip trees, horse chestnuts, chestnuts, ashes, limes, alders, planes, honey locusts, magnolias, wild cherry and other trees found in the nurseries established in 1819 had grown, in 1853, to stately specimens which proved of the greatest value, not only for the plantations in the Bois de Boulogne, but also for those in the city, on our quays, boulevards, squares, etc.

The wonderful results to which we have just referred were all obtained thanks to Alphand Barillet-Deschamps, who, with Haussmann, were the great beautifiers of the city of Paris. The Bois de Boulogne will be their living monument and we Parsians should be the more grateful to them that these results have been obtained on very poor, sandy soil, most unfavorable to the growth of plants. We shall have to come back, in our subsequent articles, on some of their wonderful work in other parks and squares.

PARISIAN.

Hot Water Under Pressure.

In the issue of the AMERICAN FLORIST for March 24 we see some statements as to heating by hot water under pressure. We have had a little experience in this line that may be helpful and interesting and present it herewith.

Our entire place, office included, is piped for steam, the main being carried to the highest point directly above the boiler where it is divided into two lines of 3-inch pipes running to the farthest points, dropping into 1¼-inch runs of two, three or four pipes on each side of the houses as required, the return pipes being 1½-inch or 2-inch. Each run is connected by branch tees and valves, with automatic air valves where necessary in the branch tees. The valves about the houses are Jenkins valves for large sizes, Globe valves for the smaller. The boiler is steel, with eighty 2-inch tubes and is of about thirty-five horsepower.

With this apparatus we found the temperature of the houses was inclined to run too high in mild weather and at too great cost for fuel. We tried filling the entire system with water and running a hot water circulation and have succeeded in maintaining proper temperature with less consumption of fuel. We made no change whatever in the arrangement of pipes or valves, except at two or three of the highest, points where we connected a short piece of stand pipe one or two feet long and closed it at the top except for a pet air cock in each. Occasionally, when we think of it, we open these air cocks to let out any accumulated air, but do not find it often necessary.

Our water supply is from the street mains, which have a pressure of about eighty pounds, and the water valve connecting the street mains and our boiler is left at all times partly open. Before we fill the system with water we go about the place and set the automatic air valves tight, so that when the system is filled everything is closed in except for what little leakage there may be here and there in the pipes and valves.

In case of an extremely cold spell of weather we can draw off the water in all the pipes down to the proper level in the boiler, close the street valve and run the steam circulation again until, weather moderating, we can reverse the process, fill up with water again and run by hot water circulation.

Last winter we changed over to steam when the thermometer outside indicated

20° above zero. This winter we ventured to run the hot water circulation in colder weather, with the result that we have done so the entire winter, not changing over to steam at all. The coldest night we have experienced has been 12° below zero. We plan to keep our largest houses at 60° during the night, but in the coldest nights the temperature dropped to 50° and even a little lower, with no visible injury to the stock.

With hot fires, steam will form in the pipes and we have noticed the gauge at the boiler indicate twenty pounds pressure additional to the ordinary water pressure of eighty pounds, or a total of one hundred pounds pressure. The heat has to travel, evidently, and the circulation is free, notwithstanding our Globe steam valves here and there. If fitted with hot water valves no doubt it would be still more rapid. You will perceive that with so much pressure one would be obliged to be sure that the boiler tubes are sound and the piping likewise, otherwise you are "done for" until repairs can be made. In our case we should plug up a broken tube or broken pipe and run steam until permanent repairs could be made.

Another precaution while firing heavily is to never close the water valve connecting with the street main, for certainly, with the pressure off, steam will form in the pipes and you will be liable to burst anything and everything. We had such an experience not long ago, when one of us closed this water valve for about fifteen minutes to repair a water faucet that was leaking. There was a hot fire under the boiler and the result was a loud report; an office radiator had succumbed and we were flooded until connecting valves were closed. As soon as we had disconnected the damaged radiator and filled up again, everything was running as smoothly as before. However, such an accident is just as liable to happen to a boiler tube, in which case it would not be so soon remedied.

For fuel until January 15 we used Cumberland coal; since then Cumberland coal and hard coal screenings mixed, half and half. We have always heretofore used steam but are surprised at the good results obtained from hot water under pressure and that, too, handicapped as we are with steam fittings. Our roses, what few we grow, have never done better, Easter lilies are on time, violets healthy and full of flowers and bedding stock coming along all right.

E. & C. WOODMAN.

By Long Island Sound.

One of the best private places along the sound is that of James M. Constable, at Mamaroneck, N. Y. On a recent visit I found the gardener, Wm. Anderson, busy among his famous antirrhinums. A house occupied principally by these fine old-fashioned flowers was certainly a treat worth going miles to see. On many of the spikes, which were four to five feet long, I counted as many as forty open flowers. On the side benches of the same house were some fine plants of marguerites, mysotis, freesias, etc.

To show that Mr. Anderson successfully employes every available space in his houses, an illustration is presented affording a glimpse under the middle bench of this house. It would almost seem as if it were a realization of Mr. Watson's "Mushrooms for the Million." The bed was spawned at a temperature of 85° and the night temperature of the house was never over 50°. There were no heating pipes near, but there was a free circulation of air of an even temperature, all draughts being checked by canvas which hung around the outside, which no doubt accounts for such a fine crop. Two other houses were entirely devoted to mushrooms and, although not at the time of my visit in such bearing, several beds gave promise of an abundance of this favorite esculent.

The rose houses were a splendid example of up-to-date gardening. The Brides and Bridesmaids were undeniably fine. Mr. Anderson believes in grafted stock for these varieties. In the carnation house were some six or eight varieties, all in first class condition. Passing into the large palm house I found some rare specimens. Most noticeable among these was a fine Cocos Bonneta eight feet high. This rare palm is seldom seen in collections. There were some large plants of Rhapis flabelliformis, Phœnix rupicola and P. Canariensis, Ceroxylon niveum, arecas and kentias in variety and many fine crotons, pandanuses, aralias, anthuriums, dracænas, etc. Among the newer foliage plants were Dracæna Godseffiana, D. Sanderiana, Evodia elegans and Maranta Sanderiana.

The fern collection includes some excellent specimens, among them Adiantum Williamsi, A. gracillimum and A. Farleyense, nephrolepises and davallias in variety, possibly the finest of which was a large D. Mooreana. Two fine plants of Goniophlebium subauricalatum brought to memory the specimens of this fern exhibited by Mr. Anderson several years ago in Madison Square Garden.

Tomatoes and cucumbers, which form very important winter crops, were both looking well. The varieties of tomatoes mostly grown are Eclipse and Frogmore Selected. I will pass over the graperies and peach house at this time but hope to be able to describe them on some future occasion.

There is a range of twelve greenhouses and from Mr. Anderson's willingness to explain how all these can be so successfully handled, a visit to this place will no doubt greatly interest many of our floricultural friends who will be in New York the coming season. A walk around the grounds reveals many fine specimens of ornamental trees and shrubs and here, as in the greenhouses, it is plainly to be seen that everything is under the control of a master hand. JOHN W. DUNCAN.

SALT LAKE CITY, UTAH.—C. F. Pfau will enlarge his establishment this year, adding a house, and boiler and repairing throughout.

New York.

LITTLE CHANGE IN THE WHOLESALE MARKET.—CARNATION SHORTAGE ACCENTUATED.—ROSES ARE PLENTIFUL AND CHEAP.—PREPARATIONS FOR BIG EASTER SHIPPING TRADE.—COMMENTS ON THE ROSE SHOW.—CRITICISM OF BERMUDA METHODS.—VARIOUS ITEMS.

With the exception of the increased value of carnations there is no great change from market conditions as outlined last week. The scarcity of carnations is something of a puzzle and is attributed by some to the holding-back-for-Easter process. There is an increased supply of roses from all sources and of all grades and varieties, so that prices are maintained with difficulty. Brunners and Jacqs occupy the field against the Beauty and, being in large supply, they all sell at prices that appear ridiculously low to the grower. A considerable number of Baroness and other hybrids are seen but are not quoted at fancy figures. Brides and Bridesmaids, in consequence, appeal to the captious buyer with but indifferent results, even when of exceptional quality. The quantity, quality and selling price of violets remain unchanged. Reports as to the scarcity of lilies for Easter are current but, so far, buyers have been able to place orders at fair figures, provided they are buyers who pay promptly. Bulb stock is plentiful and smilax very scarce.

Extensive preparations are being made by the wholesale cut flower dealers for a big out of town demand during Easter week. Twenty-eighth, Twenty-ninth and Thirtieth streets are all wide awake and the enterprising wholesale dealers located therein are in a position to supply any variety and any quantity of material such as is called for at Easter. Growers are inclined to co-operate with them in providing stock in fresh condition, carefully handled and delivered at frequent intervals, and arrangements have been made by some whereby shipping orders for lilies and such delicate goods will be packed direct at the greenhouse and thus subjected to but one handling. A perusal of the many special advertisements of cut flower stock which appeared in our special edition of last week will give some idea of the great supply of material which these gentlemen expect to handle next week and with such a grand presentation of the Easter indications there is no good reason why any good florist should go without good flowers. Read the advertisements and then get into communication with the advertisers. It will pay you, every time.

MUSHROOMS IN GREENHOUSE OF J. M. CONSTABLE, MAMARONECK, N. Y.

The comments most frequently heard regarding the rose exhibition of last week are on the great difference noted in the keeping qualities of roses from different growers and on the ease with which distant growers captured the prizes that local growers had been confident of winning. The untidy effect of flowers badly wilted on the second day of the show will probably cause the adoption of a rule hereafter making it obligatory on exhibitors to keep their displays in presentable condition or, at least, giving the superintendent full power to remove dilapidated material at his own discretion.

Local papers tell of a concerted attempt contemplated by florists and bulb dealers, to compel Bermuda lily growers to quit shipping flowers to this market or else go out of the bulb trade. Nothing of an organized plan is apparent, however, although the sentiment as above expressed is universal. The preponderance of bulbs this season from other sources of supply ought in itself to set the greedy, short-sighted Bermuda people a-thinking.

Superintendent Cleary reports receiving a big lot of applications for the trade exposition next August and the prospects are strong for a remarkable display on that occasion.

H. A. Bunyard received 1,250,000 galax leaves for cold storage last week and expects to have at least 3,000,000 in stock before May 1.

Aldred & Co. have a new "Altman" wagon, a pleasing violet shade in color.

Millang & Co. have opened a branch for the sale of Easter plants.

Visitor: S. S. Pennock, Philadelphia.

Philadelphia.

MONTHLY MEETING OF THE CLUB.—MR. DORRANCE DISCOURSES ON THE ROSE AND ITS SOCIETY.—THE QUEEN OF EDGELY RECEIVES HIGH COMMENDATION.—STATE OF THE MARKET.—LILIES FOR EASTER.—AN EXCEPTION TO THE RULE.—GOOD RAMBLERS.

The April meeting of the club was not as well attended as it should have been, to meet the president of the American Rose Society, Benjamin Dorrance, and hear his paper on what the society is doing for the queen of flowers. Those who were present, however, enjoyed a treat in Mr. Dorrance's reading and explanatory words that cannot be reproduced in type. The lines between the grower and retailer in the New York market must be closely drawn, as both Mr. May and Mr. Dorrance have the same complaint, namely, that the store keepers there use all their influence to discourage the introduction of new roses, as every new variety would compel them to carry some of it in stock and thus add to their expenses. As a retail member of the profession I do not believe this ground to be tenable, as any new rose that has merit as a salable cut flower and is profitable to the grower would soon be added to the "big four." A grower will not very long force a variety which does not pay him, and the dealer, who must make a profit out of the stock he handles, will also very soon drop unsalable kinds. The subject for the next meeting is, "Experiences of the Easter trade of 1900," assigned to Robert Craig.

The Floral Exchange exhibited a vase of their new rose, Queen of Edgely. This is in reality a pink American Beauty. Blooms in various stages were brought, showing that the color varies but little from the bud to the full blown flower that had been cut for nearly a week. The following is the report of the committee on exhibits: "We are convinced that this variety is a valuable addition to the list of forcing roses, being in every respect except color an exact counterpart of the American Beauty. The color is a beautiful bright pink, which is good even in the full flowers. The fragrance is also as sweet as the Beauty and the exhibited blooms gave evidence of great vigor in the plant." This was signed by the committee, Robert Kift, William Munro and Joseph Heacock.

There will be an abundance of stock for Easter in the plant line; $10 to $12 is the price for lilies and the 12-cent flowers have to be exceedingly fancy; $8 is asked for short-stemmed stock. There is a vast difference in the various lots to be seen. Short, dumpy plants with stems six to twelve inches high are far too plentiful. Why this is no one can say with certainty. At the Faust greenhouses, near Bala, is to be seen one of the best flowered lots about this city. As they stand on the tables, without sorting, each plant in a 6-inch pot carries from six to ten flowers, all borne on stalks about thirty inches high above the pot. It is a very even lot and reflects great credit to Mr. Faust, or H. F. Michell, who furnished the bulbs. They are Bermuda grown longiflorums.

Business moves along fairly well. Flowers are scarce, particularly carnations; anything worth having is quoted at from $3 to $4, the merest rubbish going quickly at $1.50 to $2. The fancies are on the gallop and there is no telling where they will be when Saturday arrives. Roses are in fair supply at about last week's prices.

Robert Scott's house of Crimson Ramblers is worth going miles to see. It is 25x250 feet and entirely filled with plants in the best possible condition, ready for the hour. The 8 inch pots contain plants with twenty-five to thirty clusters, with from thirty-five to one hundred or more buds on a cluster.

Rupert Keinle is to occupy the store on Seventeenth street soon to be vacated by Alfred Hoag, who will move to his Chestnut street establishment permanently about May 1. K.

Boston.

WHOLESALERS ARE BUSY.—CARNATIONS AND LILIES UP TO EASTER LEVELS.—PLANT ORDERS HEAVY.—GOOD THINGS SEEN AT EDGAR'S.—CRIMSON RAMBLERS AT WALTHAM.—BOCK'S BLAZE OF COLOR.—WAVERLEY HAS ITS SUCCESSES.—THE WEEKLY EXHIBITION.—A NEW ORCHID.—NOTES.

Wholesalers are busily at work on their Easter price lists in the rather infrequent spare minutes that are allowed them. There is little in the present situation to indicate the mid-Lent season, for Lilies are bringing the topmost Easter quotation to-day without a struggle and carnations are good for values rarely recorded at any time of the year. Roses will, without doubt, stiffen up somewhat for the Easter call, but on carnations and lilies the limit has probably been reached two weeks in advance. As to the plant business, all indications are for an unprecedented demand. Growers are practically cleaned out of everything that is likely to bear a flower at Easter time, something decidedly unusual at so early a date in advance.

A visit to Edgar's big plant houses at Waverley finds the rows of big acacias, genistas, ramblers, rhododendrons, etc., nearly all marked "sold." Lilies in pots, singly or in large pots grouped, are nearly all spoken for and the hydrangeas are all gone. Azaleas, too, are tagged for early delivery. Mr. Edgar has a good word to say for Simon Mardner, the popular Christmas variety, which he finds all right for Easter also and prefers to the more generally grown Vander Cruysen. A long row of pendant baskets of Asparagus Sprengerii attracts attention for the beautiful effect of the sprays covered with white bloom.

Anderson & Williams, at the Mathison place in Waltham, have a house of Crimson Ramblers of phenomenal strength and profusion of bloom. Trusses with from sixty to eighty flowers each are not infrequent and one truss showed 117 flowers by actual count. A method rarely followed is practiced here with Bride and Bridesmaid roses. The canes are tied down to horizontal wires in March and a strong growth is thus induced that gives a crop of grand flowers in June, at a time when good roses are always scarce.

W. A. Bock's houses at North Cambridge are a perfect blaze of color—hydrangeas, azaleas, rhododendrons, geraniums and lilies—but everything down to the smallest heliotrope, everything that promises a flower, is sold already for Easter and the question of delivery is all that is bothering Mr. Bock.

There are 22,000 lilies blooming at Pierce's in Waverley and crowded in the corners are astilbes, Brunners and white stocks which are all ready to take the place of the lilies as soon as they go, and bring in another crop of dollars for Decoration day. That accomplished, the "Administration Building" will shut down until chrysanthemum time.

The usual noon exhibition was seen at Horticultural Hall on Saturday, March 31. A very fine specimen of Dendrobium fimbriatum oculatum was shown by Geo. Melvin, gardener to Col. Pfaff. Andrew Grierson, gardener to Hicks Arnold, sent flowers of Lælia Jonghiana, this being its first appearance on exhibition in this country, and Dendrobium atroviolaceum, the first receiving a certificate of merit and the latter honorable mention. A. J. Loveless received honorable mention for fine spikes of Antirrhinum Wyndhurst, a rich dark colored variety, and David Monteith again showed his pink seedling carnation, Beulah.

N. F. McCarthy & Co., have just received a specimen of the beautiful Picea pungens pendula, the first of this variety to be imported to this country. It is to be presented to Thos. W. Lawson by the purchaser.

Mention of the fine specimens of Carnation Francis Joost, for which M. A. Patten received first prize in their class, was overlooked in report of the spring exhibition last week.

Alfred Dimmock has been shedding the the sunlight of his presence in Boston this week and his order book is filling up rapidly.

GREEN BAY, WIS.—H. Raymaker & Sons have had a very successful season and are preparing to build an addition to their establishment.

PATCHOGUE, N. Y.—Bryant and Clarence Moore have leased the G. E. Layton greenhouses on Main street and will carry on the business.

SABETHA, KANS.—E. H. Marshall reports trade excellent, particularly bright for spring, and he will build another house this season.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00.
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Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

BRITISH growers report much success with "Veltha," a new fungicide.

WE are in receipt of a series of very attractive advertising pamphlets from the Booklet Publicity Company, of Boston, Mass. "Flower Fancies" is the title of one of these pamphlets which was specially designed for a retail florist.

IN W. L. Smith's advertisement in the Spring Number the price of double white petunias read $5 when it should have been $4. Mr. Smith writes that he intended the offer of "200 for $5" to apply to alternanthera, not cuphea.

ONE successful propagator of palms from seeds states that he obtains the best results by planting as follows: A secondary bench is erected between the ordinary bench and the floor. The spaces between the boards having been filled with moss, a layer of potting soil one inch in depth is spread over the bottom. A 2-inch layer of moss follows, then the seeds three layers deep, with two inches of sand on the top.

THE New York Florists' Club has distributed the schedule of premiums for the horticultural exhibition to be held during the S. A. F. convention at New York, August 21 to 24, 1900, and in it there seem to be attractive features enough to insure the best horticultural display ever staged in this country. Copies of the schedule may be obtained by addressing the secretary of the committee in charge, Joseph A. Manda, 209 Valley street, South Orange, N. J.

A CLIPPING from the *Pittsburg News* informs us in big type that Easter lilies will command fancy figures and prices on Easter flowers will be much higher than last year. Information gleaned from local florists, it asserts, indicates that prices will be doubled up on many flowers a few days before Easter. It seems hardly possible that any florist wishing to see his business prosper would be so unwise as to furnish statements of this character to sensation-loving reporters, but it is done—often thoughtlessly, it is true—by florists in all sections. No greater injury to the welfare of the trade can be imagined than one which frightens the public from the idea of buying flowers at such a time and disseminates as well a feeling of distrust and resentment towards the florist.

She is Very Proud.

Mrs. Hiland—Did you ever see anybody so proud of her conservatory as Mrs. Shadyside?

Mrs. Halket—No, she is a regular haughty-culturist.—*Pittsburg Chronicle.*

Greenhouse Building.

Fairhaven, Conn.—E. J. Morse, range of commercial houses.

Chatham, N. J.—J. T. Wagner, carnation house.

Sabetha, Kan.—E. H. Marshall, house 12x28.

Chicago, Ill.—Emil Buettner, two houses 25x150.

St. Paul, Minn.—R. C. Seeger, one house.

Waterloo, Ia.—Williams & Crittenden, rose house 24x110.

Waterville, Me.—H. L. Mitchell & Son, one greenhouse.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Nathan Smith & Son register seedling canna The Express, Philadelphia × Gloriosa; flowers bright crimson, large green foliage, height two and one-half feet.

Lager & Hurrell register Cattleya Trianæ aurantiaca. Flowers very large, sepals and petals white, slightly suffused with palest lilac; lower part of petals thrown forward, upper parts gracefully reflexed; lower part of lip whitish lilac superposed by a large wedge-shaped blotch of very bright orange.

The same firm registers Cattleya Trianæ Fairy Queen. Flowers of medium size, well balanced in all parts; sepals and petals pure white, the latter being slightly reflexed. Upper part or tube of lip white, the lower part light lilac extending to the edges.

WM. J. STEWART, Sec'y.

The Rose and the Oak.

A red rose one day in a thoughtful way
Remarked to an ancient oak tree,
"I seem to have powers beyond other flowers
That attract everyone to me.
But why this should be I never could see,
And so, sir, if you're in the mood,
I wish you'd make clear a matter I fear
I've never yet quite understood."

The jolly old oak thought it all a joke,
And rustled with laughter and glee.
"See here," then he said, "my sweet rosy-red,
Don't you try your fine games on me.
You know well enough such talk is all 'stuff,'
Or else you're too modest, by half;
However this may be, you can't humbug me,
And that is the reason I laugh."

The rose hung her head, until the oak said,
"My beauty, you surely are blind,
For you cannot see what is plain to me,
And known to the whole of mankind—
That no flower grows, like you, my sweet rose—
None other with you can compare;
And this is the key to what you can't see
Of the fairest, you are most fair."

—*Boston Transcript.*

The Best Pumping Power.

ED. AM. FLORIST:—What will be the best or most economical power with which to pump water for greenhouse use from a twenty-five foot well, a windwill, electric motor, a coal oil or gasoline engine? H. S.

So much depends upon the amount of water required, as well as other conditions, that an off-hand answer is out of the question. A windmill will be cheapest in first cost, and requires little attention, but it is usually idle when its work is most needed and should never be relied on unless one has a reservoir sufficiently large to store a supply of water for three or four weeks. For a large establishment, although a windmill might be used as an auxiliary, I do not believe that it should ever be relied upon as the exclusive pumping power. For a small place a hot-air engine will be satisfactory, as it requires little attention, but the larger engines are rather expensive and for large establishments I prefer a gasoline engine, which can be operated at an expense of about one cent per horse-power per hour, and with little attention will be found quite safe and reliable. While many florists are not able to secure electric power, and in most places the expense will be greater than that of a gasoline engine, there are some sections where the cost of electric power is comparatively low, and there I would recommend the use of an electric motor, which is certainly the most satisfactory power for pumping or other mechanical operations. L. R. T.

Myosotis German Star.

This new forget-me-not is a chance seedling from M. palustris, according to *Moller's Deutsche Gartner-Zeitung*, and forms neat, compact, little tufts about one foot in height. It possesses all the good qualities of M. palustris semperflorens, but its flowers are larger, sweet scented and produced continuously. The flowers are borne on long stems and are of the most beautiful sky blue shade. It is an excellent variety for pots, beds and cutting.

Important to Shippers.

Welch Bros., of Boston, Mass., who do a very large shipping trade by express every holiday, inform us that it is their custom to notify the agents of the various express companies a few days in advance of the fact that they are about to deliver to them a quantity of perishable freight, naming the more prominent destinations, and asking that they make necessary preparations to handle same with best care and dispatch and instruct their employes fully as to their duties in connection therewith. This precaution not only gives the express people a fair opportunity to prepare for the extra work but affords a strong argument in the shippers' behalf later on should any complaint of neglect or delay on the part of the carriers be made. Shippers of Easter plants and cut flowers generally might follow Welch Bros.' custom to advantage.

A Big Connecticut Establishment.

The most extensive horticultural establishment in the New England states is that of A. N. Pierson at Cromwell, Conn. Here, at present writing, 50,000 longiflorum bulbs are blooming for the Easter demand; here a million lily of the valley are forced annually, and these are only incidents in the routine of this big place. More than 100 men are constantly employed in the various departments. Among the equipments are a machine shop, a saw mill, a blacksmith shop, ice pond and cold storage house. All the wagons required and all the shipping boxes are made, horses are shod and the greater part of the material required for the construction or repair of greenhouses is turned out on the premises. A range of eleven large houses added last year was put up and heated complete by the local force. They are piped for heating with steam and with hot water as occasion may demand, the main steam pipe being sixteen inches in diameter at the boiler end, thus giving capacity for large future additions of glass.

The material grown includes a general variety of roses, carnations, lilies and other flowering bulbs, lily of the valley, ferns, asparagus and decorative plants. The asparagus house is twenty-two feet

high. A portion of the lily of the valley used the past season was home grown and it gave flowers of a much finer quality than the average imported stock. A larger proportion of this year's pips will be home grown and it is expected that within a very few years no part of the million pips required will be imported. Two houses each 275 feet long are to be devoted to Adiantum Farleyense this summer. The soil used for roses is clay loam from low lands that are flooded once a year by the Connecticut river. Since using this soil Mr. Pierson has lost all trace of eel worm, which troubled him previously. He attributes it to the annual flooding with water which he believes kills them out completely. The place is well worth a visit by anyone interested in rose growing. Large and convenient packing rooms are provided and the product is shipped over a wide range of territory.

OBITUARY.

WILLIAM M'CREA, JR.

William B. McCrea, Jr., of Altoona, Pa., died March 26 after a very brief illness. He left a bride of only six weeks who will have the sympathy of the many friends of the deceased in the trade.

MRS. E. F. BARBE.

Pauline K. Barbe, wife of the well known Kansas City florist, died April 1 after a prolonged illness during which she suffered from a complication of diseases. The wealth of floral tokens at the funeral spoke of the sympathy of Mr. Barbe's many friends.

Catalogues and Cut Flower Price Lists Received.

E. S. Peterson & Sons, Montrose, N. Y., trees and shrubs; Jennings Bros., Olney, Philadelphia, Pa., horticultural designs and buildings; The Floral Exchange, Philadelphia, Pa., roses; Lothrop & Higgins, East Bridgewater, Mass., dahlias; Chas. B. Hornor & Son, Mt. Holly, N. J., trees and shrubs; Harlan P. Kelsey, Boston, Mass., ginseng and cultural directions; M. H. Walsh, Woods Holl, Mass., hardy plants; F. S. Peer, Mount Morris, N. Y., trees, shrubs, plants and bulbs; Wm. Scott, Buffalo, N. Y., cut flowers and plants; K. Wezelenburg & Son, Hazerswoude, nr. Leiden, Holland, trees, shrubs and plants; de Graaff Bros, Leiden, Holland, plants and bulbs; Welch Bros., Boston, Mass., cut flowers and florists' supplies; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; Wm. F. Kasting, Buffalo, N. Y., plants; C. C. Pollworth Co., Milwaukee, Wis., cut flowers and plants; E. C. Amling, Chicago, Ill., cut flowers; E. H. Hunt, Chicago, Ill., cut flowers and plants; Bassett & Washburn, Chicago, Ill., cut flowers and florists's supplies; A. G. Prince & Co., Chicago, Ill., cut flowers and florists' supplies; Kennicott Bros. Co., Chicago, Ill., cut flowers; J. B. Deamud, Chicago, Ill., cut flowers; W. E. Lynch, Chicago, Ill., cut flowers.

DELAVAN, WIS.—F. T. Monahan, of Williams Bay, will erect a greenhouse here in the spring, to be conducted as a branch.

TOUGHKENAMON, PA.—The firm of Chambers Bros. has been dissolved, and the business will hereafter be conducted by C. P. Chambers.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By married man 35 years' old, experienced florist and gardener, good designer and decorator, competent to fill any position, commercial or private. D 753, care Am. Florist

SITUATION WANTED—By experienced florist No 1 rose grower, carnations, mums, etc., 20 years practical study, good designer and decorator. Best references. FLORIST, 1021 West 3rd St., Canton, O.

SITUATION WANTED—By young man, age 20, German; 5 years' experience in roses. Good references. Near Detroit or Pittsburg preferred. Address, stating wages. MAGNUS ALTKNECHT, care W. A. Smith, Box 16, Lakewood, O.

SITUATION WANTED—By a reliable married man, as foreman on commercial place, where first-class cut flowers are wanted for market; 25 years' experience. Please give full particulars with wages. Address IDEALITY, care American Florist.

SITUATION WANTED—By experienced gardener and florist in state institution or private place, as foreman or manager; best of references; married, sober and industrious, give full particulars with wages. Address GARDENER, care Am. Florist.

SITUATION WANTED—The advertiser would like to secure a position as head gardener on a private place or foreman in a commercial establishment; thoroughly experienced in all departments; best of references. Address C. J. R., care American Florist.

SITUATION WANTED—By an experienced florist to take charge of retail commercial place. Thoroughly posted in growing for the retail trade. Age 32; single. Wages, $30 and board. Illinois or Ohio preferred. Address "RETAIL," care American Florist.

SITUATION WANTED—By a married man as manager or foreman in a private or commercial place; 25 years experience in roses, carnations, chrysanthemus, violets and general greenhouse plants. Address COMPETENT, care American Florist.

SITUATION WANTED—A position in or near Chicago by all round man, At rose and orchid grower also familiar with greenhouse construction, competent to take charge of private or commercial place, 10 years' experience east and west. Address FLORIST, 2725 Wabash Ave., Chicago, Ill.

SITUATION WANTED—Middle aged man desires position on private place, would not object to working in florist establishment, thorough practical gardener, good grower and propagator; understands mushroom growing, landscape and vegetable gardening. A, HUMPHREYS, 36 Bevan St., Cohoes, N. Y.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal.

WANTED—Single man with experience in growing cut flowers. Send reference, age and salary expected to H, care American Florist.

WANTED—Partner for retail store. Good opportunity for bright man. Good location Chicago. Address L S, care American Florist, Chicago.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—An assistant florist and all-around man; German, single preferred. State wages. Address at once. WM. KRUMM & SONS, St. Joseph, Mo.

WANTED—An experienced florist and horticulturist to take charge of small park and conservatory. Address A C, care American Florist.

WANTED—A good grower of cut flowers, roses, chrysanthemums, carnations, etc. None other need apply. State wages. MANN & BROWN, Richmond, Va.

WANTED AT ONCE—A young man to work in greenhouses. One with some experience, good worker, $15 a month and board. Address H. M. JENSEN, McHenry, Ill.

WANTED—A single, sober man, competent to grow roses, carnations and mums. Give references and wages with board and room. C. L. BRUNSON & CO., Paducah, Ky.

WANTED—Man capable to take charge of section of rose houses. State wages wanted with board. Also a man to assist. Address R R, care American Florist, Chicago.

WANTED—To purchase an article, namely, a gardeners' stool. Full particulars and catalogue of same to be addressed to W. E. POCOCK, 37 Pontypridd St., Eastmoors, Cardiff, Wales.

WANTED—Good second hand boiler suitable for 6000 feet of glass, hot water under pressure, fuel cheap soft coal. Also wrought iron pipe, valves, etc. JOSEPH BANCROFT & SON, Cedar Falls, Ia.

WANTED—A rose grower who thoroughly understands growing A No. 1 stock. The right party will have a good position. First-class references required. Address M K, care American Florist.

WANTED—At once, a young man, German; must be sober and reliable, for general greenhouse work. Wages $15 per month with board and room. Work easy; place steady all the year round. Address J. RINDFLEISCH, Beloit, Wis.

WANTED—Man thoroughly experienced in filling orders, planting nursery stock, budding and grafting roses. Strictly temperate. Only those accustomed to commercial places need apply. THE ELIZABETH NURSERY CO., Elizabeth, N. J.

WANTED AT ONCE—Good reliable experienced grower of cut flowers and general stock of bedding plants. If incompetent or afraid of work don't apply. Good wages to right man. Address with references, J. N. KIDD, St. Joseph, Mo.

WANTED—Greenhouse engineer, to look after steam pumps, do piping, benching and repair glazing. Must have an eye to carpenter work and be supplied with most necessary tools. Wages $50 per month, steady work. Address or call on GEO. REINBERG, 51 Wabash Ave., Chicago.

NOTICE—If Joseph Londrigan will communicate with John Dow, Manhattan State Hospital, Central Islip, N. Y., he will hear of something to his advantage. Should any one see this who may know of his present whereabouts, they will do him a favor by communicating with the above, informing him where he is located at present.

FOR SALE OR RENT—Commercial place; location the best. R. D. BAKER, Canon City, Colo.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—My greenhouses, etc., about 4,000 feet of glass. A good retail trade. Terms easy. Address JACOB RAIFSTANGER, Great Barrington, Mass.

FOR SALE—Lebanon Greenhouses and residence; established business; no competition; houses stocked. Failing health compels sacrifice. Write for particulars. NEAL & CO., Lebanon, Ind.

FOR SALE—Four-inch cast-iron greenhouse pipe, 5-feet lengths, F. O. B., 15c. per foot, in good order. Address INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.

FOR SALE—Established florist business, with or without 7 room dwelling, in a good Indiana town; no competition within 20 miles. Will bear investigation. Address WABASH, care American Florist.

FOR SALE—A good paying establishment of 5,500 feet of glass, ½ acre of land, 8-room dwelling. This is located in the heart of a city of 14,000 inhabitants, with but very little competition. Would like to sell about 1st or 15th of June. This is not only a bargain but also a grand opportunity for some enterprizing florist. Will state reasons for selling on application. Address OPPORTUNITY, care American Florist.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
B46 New York Life Bldg. KANSAS CITY, MO.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land; 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

FOR SALE

102 acres fine land, part cultivated.....$2,800.00
Lot 52x241, four greenhouses, sheds, etc... 3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain.... 3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling..... 4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc..... 6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business..... 7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling..... 9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

It is good business policy to mention the
....American Florist
when you write to an advertiser.

Grand Rapids.

Carnations are a little off crop and the demand is excessive, resulting in a famine. We hardly know whether there has been any Lent or not, as far as business is concerned. The local trade have enjoyed a very prosperous season and hope for the busiest Easter that ever struck the town. There will be plenty of roses and of excellent quality, also plenty of bulbous stock and potted plants. We only wish for a few day's lull before the storm, with slight hopes of getting them.

G. F. C.

Wholesale Flower Markets

CINCINNATI, April 5.

Roses, Beauty, select	40 00
" " medium	20.00
" Bride	4.00@ 6.00
" Bridesmaid	4.00@ 6 00
" Meteor	4.00@ 6.00
" Perle	4.00@ 5 00
Carnations	1.50@ 2 00
" fancy	3.00@ 4.0
Lily of the valley	3.00@ 4.00
Violets	50.@ .75
Roman hyacinths	2.00@ 3.00
Dutch "	4.00
Callas	10.00@12 50
Daffodils	3.00@ 4 00
Tulips	3.00@ 4.00
Sweet peas	1.50
Asparagus	50.00
Smilax	15.00
Adiantum	1.00
Common ferns	.20

ST. LOUIS, April 5.

Roses, Beauty, short stems	5.00@10.00
" " medium	12 50@25 00
" " fancy	30.00@50.00
" Bride, Bridesmaid	4.00@ 8.00
" Meteor	4 00@ 6 00
" Perle, Wootton	3.00@ 4.00
Carnations, common	1 00@ 1 50
" fancy	2 00@ 3.00
Lily of the valley	3.00@ 4.00
Violets	.20@ .30
Narcissus	2.00@ 3.00
Romans	2 00@ 4 00
Callas	10.00@12.50
Harrisii	10.00@12 50
Tulips	2.00@ 4.00
Smilax	10.50@12.50
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00

MILWAUKEE, April 5

Roses, Beauty, long, per doz.	3.00@ 4 00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	6.00@ 8.00
" Perle	4.00@ 6.00
" Meteor	6.00@ 8.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	2.00@ 3.00
" fancy	4 00@ 5.00
Violets	.50@ 1.00
Daffodils	2 00@ 3 00
Mignonette	2.00@ 3.00
Adiantum	1.00@ 1 50
Common ferns	.25
Smilax	15.00@18.00
Asparagus	75.00
Galax leaves	.20

PITTSBURG, April 5.

Roses, Beauty	5.00@50.00
" Bride, Bridesmaid	3.00@12.00
" Meteor	3.00@12.00
" Kaiserin	3 00@12.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6.00
Carnations	1 50@ 4.00
Lily of the valley	2 00@ 4.00
Violets, double	.20@ .75
" California	.20@ .30
Daffodils	2.00@ 3.00
Roman hyacinths	1 50@ 3.00
Harrisii	6 00@12.00
Freesias	1.00@ 1 50
Tulips	2.00@ 4.00
Pansies	.75@ 1.00
Lilacs, per bunch	1.50@ 2.00
Daisies	1.00@ 2.00
Mignonette	1.00@ 4 00
Smilax	12 50@20.00
Wild Smilax, per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10
Asparagus, bunches	40c
" strings	35 to 50c
" Sprengerii, bunches	35 to 75c
Galax leaves	.15

DENVER, April 4.

Roses, Beauty, select	32.00@48.00
" " ordinary	10.00@20.00
" Bride, Bridesmaid	6.00@ 8.00
" Meteor	6.00@ 8.00
" Perle, Wootton	4.00@ 6.00
Carnations, ordinary	2.00
" fancy	3.00
Lily of the valley	4.00@ 5.00
Violets	.50
Callas, per dozen	1.50
Harrisii "	1.50
Narcissus	3.00@ 4.00
Daffodils	2 00@ 4.00
Tulips	4.00
Sweet peas	1.00@ 1.50
Asparagus	60.00
Smilax	17.00
Ferns	.30
Galax leaves	.20

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CATTLEYA TRIANÆ		18.00

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in ..... per dozen, $1.00
DRACAENA TERMINALIS, nice plants, 2½-in ..... " 1.00

(*Special prices will be quoted on application for these plants in quantity from the sand.*)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

GEORGE REINBERG
FORMERLY OF REINBERG BROS.
Wholesale Dealer and Grower of Cut Flowers
51 WABASH AVE., CHICAGO.

Orders booked for choice American Beauties for Easter.

	Per Dozen
Am. Beauties, ex. long	$5.00 to $6.00
" 30-in. stem	3.00 to 4 00
" 24-in. "	2.50 to 3.00
" 18-in. "	2 00 to 2.50
" 15-in. "	1.50 to 2 00
" 8-12-in. "	.75 to 1.25

	Per 100
Brides	select, $8; 1st, $6; 2d, $4; 3d, $3
Maids	" 8; 1st, 6; 2d, 4; 3d, 3
La France	" 8; 1st, 6; 2d, 4; 3d, 3
K. A. Victoria	" 8; 1st, 6; 2d, 4; 3d, 3
Meteors	" 8; 1st, 6; 2d, 4; 3d, 3
Carnations, fancy	$4 00 to $5.00
" fancy standard vars.	3 00 to 4 00
" 1st grade, good	1.50 to 2.50

	Per Dozen
Harrisii (special price on large lots)	$2.00
Callas	2.00
Daffodils, per 100	$3 00 to $4.00
Romans "	3.00 to $4.00
Violets "	.75 to 1.00
Adiantum "	1 00
Smilax "	10 00 to 12.50
Fancy Ferns, per 1000, $1.50; per 100,	20c
Asparagus, per string	50c. 60c, 75c

OFFICIAL PRICE LIST FOR EASTER.

Order from this, as none will be mailed.
Best stock shipped unless grade mentioned

Cincinnati.. Cut Flower Co.,
W. A. MANN.
FRANK W. BALL.
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

HUDSON & CO.
WHOLESALE FLORISTS,
1527 PINE STREET,
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Consignments Solicited. Prompt returns guaranteed.

WM. L. LINGENBRINK,
Wholesale Florist.
FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
1005 Seventeenth St., Denver, Col.

GLADIOLUS BULBS

	Size	100	
Augusta, white with blue anthers	No. 2,	$3.50	
May and Eugene Scribe	each, No 2,	1 50	
Mrs Beecher and Amalthee	each, No. 1,	3 00	
Reine Blanche	No. 1	1 50	
	Size	100	1000
Marie Lemoine (orchid marked)	No. 1	$ .75	$ 5.00
White and Light, mixed	No. 1	1 50	10.00
" " "	No 2	1.00	7 50

Mixed seedlings sizes, 1, 2, 3 and 4 prices on application, Cash please. JOHN FAY KENNELL, Box 405 Rochester, N. Y.

Fancy or Dagger
WE HAVE THEM FERNS
LAUREL FESTOONING,
For decorations; 4 to 7c, none better in the market.
Princess Pine by the 100 lbs., $3.50.
Galax Leaves, bronze or green.
Write for prices on everything.
CROWL FERN CO.
Millington, Mass.
Please mention the American Florist when writing.

4,000 CUT ROMANS
SELECT
$2 00 per 100 for ONE WEEK.
J. N. KIDD, Florist.
.....ST. JOSEPH, MO.

It is not much trouble to mention the AMERICAN FLORIST when corresponding with an advertiser.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

	Per Dozen.
AM. BEAUTIES, Ex. long	$5.00 to $7.00
" 24-inch stems,	3.00 to 4.00
" 20 " "	2.00 to 2.50
" 15 " "	1.50
" 12 " "	1.00

	Per 100
CARNATIONS, fancy	$4.00 to $6.00
" standard vars. asst.	3.00 to 4.00
BRIDES	6.00 to 9.00
BRIDESMAIDS	6.00 to 9.00
METEORS	6.00 to 9.00
PERLES	4.00 to 7.00
VALLEY	3.00 to 4.00
TULIPS	3.00 to 4.00
LIL. HARRISII	10.00 to 12.50
CALLA LILIES	10.00 to 12.50

	Per 100.
DAFFODILS	$3.00
VIOLETS, double	.75 to 1.00
" single	.50 to .75
ROMANS	3.00 to 4.00
ADIANTUM	1.00
" extra long fancy	1.50
ASPARAGUS	50 cts.
SMILAX	$1.50 per doz.
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS	$1.50 per M. .20

WILD SMILAX. (Caldwell's.)

No. 1 contains	15 lbs.	$2.50
No. 2 "	20 lbs.	3.50
No. 4 "	35 lbs.	4.50
No. 5 "	40 lbs.	5.50
No. 6 "	50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc. MASSACHUSETTS FANCY FERNS, 1000 $1.50; 5000 lots, $6.25.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

GEO. REINBERG,
Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

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PETER REINBERG,
Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

Wholesale Flower Markets

CHICAGO, April 6

Roses, Beauty,	extra long stems	4.00@6.00
" "	30 inch "	3.00
" "	24 " "	2.50
" "	20 " "	2.00
" "	15 " "	1.50
" "	12 " "	1.25
" "	8 " "	1.00
" Bride, Bridesmaid.		5.00@8.00
" Perle		4.00@6.00
" Meteor		5.00@8.00
" La France		6.00@8.00
" Golden Gate		8.00@10.00
Carnations		1.50@2.00
" fancy		3.00@4.00
Violets, double		.50@1.00
" single		.40@ .50
Lily of the valley		3.00@5.00
Cattleyas	per doz.	4.00@6.00
Dendrobiums	"	3.00
Lilacs	"	.75@1.00
Mignonette		1.00@2.50
Roman hyacinths		1.00@4.00
Dutch hyacinths		4.00@10.00
Narcissus		3.00@4.00
Harrisii		10.00@12.00
Callas		8.00@10.00
Freesias		1.00@3.00
Tulips		2.00@4.00
Sweet peas		2.00
Adiantum		.50@1.00
Common ferns		.15
Fancy ferns		.20
Smilax		8.00@10.00
Asparagus		50.00@60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO

E. H. Hunt
THE "OLD RELIABLE" FOR WHOLESALE
CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL
Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

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Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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Telephone Main 3208. CHICAGO

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Am. Beauties — PITTSBURGH CUT FLOWER CO. LTD. FORT PITT 1783 COL. BOUQUET. PITTSBURGH, PA. — Roses Violets

CONSIGNMENTS SOLICITED.

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Wholesale Depot for all Florists' Supplies.

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CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

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New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

LONG DISTANCE TELEPHONE.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

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Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

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SUCCESSOR TO

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CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, April 4.

Roses, Tea	4.00@ 8.00
" " extra	10.00@12 00
" Beauty, extra	40.00@50.00
" " firsts	20.00@30.00
" " seconds	6.00@10.00
Carnations	1.50@ 2 00
" fancy	2.00@ 4.00
Lily of the valley	3.00@ 4 00
Violets	50@ 1.00
Daffodils	3 00@ 4 00
Mignonette	2.00@ 3.00
Asparagus	50.00
Smilax	15.00@20.00
Adiantum	1.00@ 1 50

BOSTON, April 4.

Roses, Beauty, extra	30.00@35.00
" " medium	10 00@12 00
" " culls	2 00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 5 00
" " extra	8 00@16 00
Carnations, ordinary	2 00@ 3.00
" fancy	3.00@ 5 00
Lily of the valley	3.00@ 4.00
Violets, single and double	.20@ .60
Daffodils	1.50@ 2 00
Tulips	2.00@ 3.00
Longiflorums	10.00@12.00
Callas	10.00@12.00
P. W. narcissus, Roman hyacinths	1.50@ 2.00
Mignonette	1 00@ 3 00
Smilax	16.00@20.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

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1122 PINE STREET,

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A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

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Our Store, 906 Grand Ave., KANSAS CITY, MO.

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JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

J. M. COHEN, WHOLESALE FLORIST.

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ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED.

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TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

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SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

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Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
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Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
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FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
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Cut Flower Exchange, NEW YORK.
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N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
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Wholesale Commission Florists.
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, April 4.

Roses, Beauty select	15.00@25.00
" " medium	10.00@12 00
" " culls	2 00@ 5.00
" Bridesmaid, Bride, Meteor	1.00@ 5.00
" " " Select	6 00@ 8 00
Carnations	1.50@ 3.00
" fancy	4 00@ 6.00
Lily of the valley	1.00@ 2.00
Violets	.25@ .50
Romans hyacinths	.75@ 1.00
Yellow narcissus	1.00@ 2 00
Tulips	1 50@ 3 00
Mignonette	2.00@ 5.00
Sweet peas	50@ 1 00
Callas	6 00@ 8.00
Harrisii	8.00@12.00
Lilac, per bunch	.50
Cattleyas	30.00@50 00
Smilax	15 00@20 00
Asparagus	35 00@50.00
Sprengeri, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, April 5.

Roses, Beauty	5.00@50 00
" Bride, Bridesmaid, Meteor	4.00@10.00
" Perle, Niphetos	3.00@ 6.00
" Kaiserin	6.00@ 8.00
Carnations, ordinary	1 00@ 2 00
" fancies	3.00
Lily of the valley	3.00@ 4.00
Violets	.50@ 1 00
Mignonette	2.00@ 4.00
Daffodils	3 00@ 4 00
Roman hyacinths	2.00@ 4 00
Harrisii	12 00@16 00
Callas	8.00@10 00
Tulips	3.00@ 5 00
Smilax	15.00
Adiantum	1 00@ 1.50
Hardy ferns, Galax leaves	.15
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN IS NOW AT
106 W. 28th St., NEW YORK CITY,
where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Squa .....NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Secy and Treas.

C. L. KUNZ, of the M. G. Madson Seed Co., Manitowoc, Wis., visited Chicago during the week.

MAIL and counter trade has materially improved with the warmer weather of the past few days.

J. C. VAUGHAN, with Mrs. Vaughan and Mr. and Mrs. H. B. Beatty, has been spending a brief vacation in New Orleans.

MINNEAPOLIS, MINN.—Northrup, King & Co. state that all branches of trade show some improvement over recent years.

WE are in receipt of a circular from Haarlem, Holland, intimating that the bulb growers and dealers of that country have established the Bulb Exporters' Association for the promotion of the trade interests of its members, collection of debts, etc. The secretary is J. Spoor, 24 Wilhelmina street, Haarlem, Holland.

F. BARTELDES & CO., of Lawrence, Kansas, inform us that the report of the fire at their establishment in our issue of March 31 is misleading. It appears that the office and retail department were damaged by fire and that the wholesale department and warehouses were not touched at all. The firm transacted business and filled all orders the next morning after the fire.

HARTFORD, CONN.—A. A. Welden is putting up a violet house.

BELTON, PA.—F. J. Winkler has embarked in business here with a greenhouse 12x100 feet.

DES MOINES, IA.—I. W. Lozier states that he will at once rebuild his store, destroyed, with all its contents, by fire on the night of March 26.

HIGHLAND, N. Y.—Arthur Palmer, for three years with J. W. Feeter, will be foreman for A. W. Williams when he opens his new establishment in June.

WATERLOO, IA.—Williams & Crittenden are planning to erect a rose house 24x110. The present rose house will be given over to carnations, which in turn will be succeeded by violets.

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTERS:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Tuberous Begonias, single, five separate colors, extra fine large bulbs, ½-inch, per 100, $2.50. Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5.00. Gloxinias, finest strains, VERY large bulbs, per 100, $3.00. Cannas in choicest sorts, $2.00 to $8.00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Sprengeri seed, 100 75c; 1000 $6.00. Asparagus P. Nanus (TRUE), 100 $1.00; 1000 $9.00. Latania Borb. 100 40c; 1000 $2.50. Pandanus Utilis, 100 $1.25; 1000, $10.00. Cocos Wedelliana, 100 $1.00; 1000 $7.50. Send for our NEW spring list. Address H. H. BERGER & CO., 47 Barclay St., N. Y.

SPECIAL OFFER OF BULBS AND CHOICE FLOWER SEEDS

FOR SEEDSMEN AND FLORISTS.

Asters, Semple's True Branching, mixed ..... per ¼ oz. 20c; per oz. 50c; per pound $5.00
" " " " shell pink, white and red ..... per ¼ oz. 25c; per oz. 75c
Asparagus Plumosus Nanus ..... per trade packet (25 seeds) 30c; per 100 seeds, $1.00; per 1000 seeds, $9.00
" Sprengerii ..... per trade packet (25 seeds) 25c; per 100 seeds, 75c; per 1000 seeds, $5.00
Begonia, single tuberous rooted, separate colors ..... per doz. 40c; per 100, $2.50.
" " " mixed ..... per doz. 35c; per 100, $2.00; per 1000 $18.00
" double " mixed ..... per doz. 65c; per 100, $5.00
Gloxinias, choice mixed ..... 50c per doz.; $3.00 per 100; $27.50 per 1000
Hyacinthus Candicans (choice bulbs) ..... 25c per dozen; $1.50 per 100
Iris Pumila, mixed ..... 35c per dozen; $1.25 per 100; $10.00 per 1000
Lilium Tigrinum (Tiger lily) ..... per dozen, 50c; per 100, $2.75
" Flore Plena ..... per dozen, 65c; per 100, $3.50
Montbretia Crocosmæflora, yellow and crimson, fine for cutting, 10c per doz.; 60c per 100; $5.00 per 1000
" Potsii, orange and red ..... 10c per doz.; 50c per 100; $4.50 per 1000
Oxalis, summer flowering, mixed ..... 10c per dozen; 35c per 100; $2.50 per 1000
Spotted Callas, (Alba Richardia Maculata) ..... per dozen 45c; per 100, $2.75
Tigridia Pavonia, alba grandiflora, and orange ..... per dozen, 30c; per 100, $2.00
Tuberoses, No 1 double pearl, fine large bulbs ..... 75c per 100; $6.50 per 1000
" No 2 double pearl ..... 50c per 100; $3.50 per 1000

Send for new Wholesale List for March. **JOHNSON & STOKES,** 217 and 219 Market Street, PHILADELPHIA PA

DeGraaff Bros. BULBS | **Holland Bulb and Plant ...IMPORTING AGENCY...** | Wezelenburg & Son Forcing Plants, &c.

DE GRAAFF BROS., Ltd., are the largest growers of new and leading varieties of Bulbs in Holland, and have built up a great reputation and an immense trade in England by square dealing and first-class Bulbs at reasonable prices. **The quality is always right** and at reasonable prices.

WEZELENBURG & SON are the most extensive growers of Potted Forcing Plants in Holland. They are also one of the largest growers of general Nursery Stock, especially Ornamental Trees, Shrubs and Vines. Established 1820.

Send for Illustrated Catalogues, special American editions, to F. S. PEER, MT. MORRIS, N. Y., Sole Agent for U. S. and Canada. Also for Roman Hyacinths and Paper Narcissus, especially grown in France; Bermuda and California grown Lilies, English Manetti Stocks, and Choice Tested English and French Novelties. Write me before placing your order.

We are soliciting contract orders for crop of 1900

KENDEL'S EARLY GIANT CORN.

See the leading catalogues for description and testimonials and write to us for descriptive circular and price of this—the largest and best early sweet corn in the market.

A. C. KENDEL, Seedsman, Cleveland, Ohio.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J

NEW IMPORTATION

Cycas Stems.

TRUE "LONG-LEAVED" VARIETY

JUST ARRIVED.

ASSORTED SIZES,

1 to 10 pounds each,
10 cents per pound.

☞ Write for Price on Quantities.....

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph Street.
New York: 14 Barclay Street.

Order now your Bulbs while you can make money with

Paper White Narcissus Grandiflora,

EXTRA, $4.00 per 1000,

free Marseilles. Packing free. 1st Dec. settlement. Very low prices on application for ROMAN HYACINTHS and other French Bulbs for forcing.

A. BERNARD, Grower and Exporter,
Carqueiranne, Var, France.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of
CHOICE FLOWER SEEDS FOR FLORISTS
is now ready. A post-card will bring it to you.

We have still on hand some of our
LILY OF THE VALLEY PIPS,
the finest that come to this country.
Per 1000, $10; cases of 3000 at $9 per 1000

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

It is good business policy to mention the
...AMERICAN FLORIST
when you write to an advertiser.

SPECIALTIES FOR EASTER.

Plenty of Easter Lilies.

Place Your Orders Now.

We have to offer for Easter a fine assortment of Fancy Baskets, Pot Covers, Crepe Papers, Plant Stands, Jardinieres, Satin Ribbons, Folding Boxes, Bouquet Pins, Cycas Leaves, Artificial Palms and Flowers, and everything desirable for Easter Trade. Plenty of the following Decorative Stock: **Adiantum, Smilax, Wild Smilax, Fancy Ferns, Leucothœ Sprays, Mahonia Sprays, Asparagus, Palm Leaves, Green Sheet Moss, Etc., Etc.**

Cut Flowers.

Our prices are as low as any dealer or grower.

Place your orders now on the following:

FANCY AM. BEAUTIES, MAIDS, BRIDES, METEORS, ORCHIDS, SELECT CARNATIONS, HARRISII LILIES, LONGIFLORUM LILIES, CALLA LILIES, VIOLETS, MIGNONETTE, VALLEY, TULIPS, DAFFODILS, HYACINTHS, ROMANS, FREESIA, ETC., ETC.

If you want the best stock, and at lowest prices market conditions will allow, send your orders to us.

EASTER PRICE LIST.

Subject to Change Without Notice.

	Price Per Hundred
Am. Beauties, short	$10 00 to $12 50
Am. Beauties, medium	15 00 to 18 00
Am. Beauties, fancy, fair length	25 00 to 35 00
Am. Beauties, long	50 00 to 75 00
Meteors, extra select	8 00 to 10 00
Brides, Maids, extra select	6 00 to 8 00
Meteors, Brides, Maids, good average	5 00 to 7 00
Perles, extra select	4 00 to 6 00
Roses, our selection	4 00
Carnations, special fancy varieties	6 00
Carnations, choice	4 00 to 5 00
Carnations, good average	2 50 to 3 50
Carnations, our selection	2 00
Violets and Pansies	60 to 75
Valley, our specialty—the best	2 50 to 3 50
Smilax	12 50 to 15 00
Harrisii	12 50
Callas	12 50
Daffodils, single and double	2 00 to 4 00
Daisy, Forget-me-not	75 to 1 00
Adiantum	1 00
Asparagus	per string, 50c to 75c
Galax	per M, $1 25
Common Ferns	per M, 2 00

Blooming Plants.

We have a fine lot of the following plants to offer:

	Per Doz.
Easter Lilies, Select plants	$7 to $8
Average plants	4 to 6
Calla Lilies, Select plants	4 to 5
Average plants	3 to 4
Spiræa plants	3 to 5
Azalea plants	12 to 18
Beauty Rose plants	4 to 5
Hybrid "	4 to 5
Rambler "	6 to 9
Hermosa "	3 to 4

We also have an immense stock of pot Tulips, Hyacinths, Narcissi, etc., etc.

All Plants Shipped via Express.

Cash with order to insure lowest prices.

WE have just received a very large importation of the finest grade Satin Ribbons; and offer a superior quality, all colors, for Easter, at the following low prices. Compare these prices with what you pay for cheap ribbons, and then bear in mind that we give you the best quality at these prices. This is a snap.

We have the following popular colors: White, cream, mais-yellow, regent-orange, lilac, heliotrope, pink all shades, nile-green, royal purple, violet, ruby—Am. Beauty, cardinal—Meteor, cerisette, remi, scarlet, black, in fact any shade you might need. Order your supply quick to insure filling from this stock. Per bolt, any colors, No. 5, 55c; No. 7, 75c; No. 9, $1.00; No. 12, $1.25; No. 16, $1.35; No. 22, $1.60; No. 30, $1.85; No. 40, $2.10; No. 60, $2.50; No. 80, $3.00.

FOR EVERYTHING YOU NEED, SEND YOUR ORDERS TO

McKellar & Winterson,

45-47-49 Wabash Ave., CHICAGO.

IF YOU DO NOT RECEIVE OUR CATALOGUE AND PRICE LISTS, WRITE US.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Bon Ton	2.00	15.00

Crimson.	100	1000
Evanston	2.00	15.00

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00

Yellow.	100	1000
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.	100	1000
Argyle	$1.50	$12.00

ROSES, from 2½-in. pots.

	100	1000
Beauties	$6.00	$50.00
Brides	4.00	35.00
Maids	$4.00	$35.00
Perles	4.00	35.00

Guaranteed strictly first-class stock and free from disease. Cash discount on 1000 lots. 500 at 1000 rates; 50 at 100 rates.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1 50
Genevieve Lord, pink	10 00	Daybreak, shell pk	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3.50	Jubilee, scarlet	1 50
Mrs. G. Bradt, var.	5.00	Wm. Scott, pink	1.00
Glacier, white, fine	4.00	Lizzie McGowan	1.00
Gen. Maceo, best crimson	$5 00 per 100		
Mrs. Jas. Dean, fine pink	3 00 per 100		

Nephrolepis Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12.00 per doz.

Cash please. **CARL HAGENBURGER,** West Mentor, O.

CARNATIONS ROOTED CUTTINGS.

Crane $6 per 100, America $5 per 100, White Cloud $4 per 100, Jubilee $2 per 100, Scott, Daybreak, Victor, Flora Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

ROSES, 2-in. Pots, Select Stock

Perle 4c, Brides and Bridesmaids 3c. Send for list of other varieties.

WM. MURPHY, Station F, Cincinnati, O.

MARY A. BAKER AND ANNA C. EASTBURN,

Two best white Carnations I have ever grown. Sandusky, Duke of York and Melba, $5 00 per 100, $40 00 per 1000. Empress and Wellesley, $2 50 per 100, $20 00 per 1000. Flora Hill and Mayor Pingree, $2.00 per 100, $15 00 per 1000. Scott, McGowan, Cartledge, Portia, Eldorado and Tidal Wave, $1 50 per 100, $12 00 per 1000. Also Giant Double Alyssum and Double Rudbeckia.

Send for Descriptive Price List.

LOUIS B. EASTBURN, Kennett Square, Pa.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS Pres.; D. S. LAKE. Vice-Pres.; GEORGE C. SEAGER, Rochester. N. Y., Sec'y.

NURSERYMEN report good sales on the newer varieties of clematis this spring.

IT is reported that extra large plantings of grape vines will be made in the central states this year.

S. D. WILLARD, Geneva, N. Y., says that Ellwanger & Barry should have the credit of introducing the Windsor cherry.

THE tariff and customs house regulations are a theme for perennial discussion among nurserymen and will receive due consideration at the Chicago convention.

BELVIDERE, ILL.—L. E. Coleman will plant 150 acres of tomatoes for canning this season.

MANKATO, MINN.—Windmiller & Son have purchased a farm close to town to be used in pushing the celery business. The greenhouses will be continued as heretofore.

LAWRENCE, MASS. — The Lawrence Horticultural Society has been organized. Chas. Wainwright is president and J. F. Worth, clerk. The membership is mainly amateur.

SUGAR MAPLES.

	Per 100	Per 1000
Sugar Maples, nursery grown, transplanted, good trees, 7 to 9 ft	$10.00	
4 to 6 ft	4.00	$30.00
about 3 ft	3 00	20 00
Soft Maple Seedlings, nur gr., 2 to 4 ft.	.75	4.00
Hemerocallis Flava (Lemon Lily)	3.00	
" Thunbergii, late, fine	3.00	
White Amaryllis (Ismene Calathiaum) str.	10 00	
Madeira Vine, No 1	1.50	
" " No. 2	1.00	
" " No. 3	.50	

☞ Packing trees at cost. Cash please.

E. Y. TEAS, Greens Fork, Ind.

NEW SHELLBARK--HICKORY NUT,
"Hornor's Special."
RARE EVERGREEN TREES
200 000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.
CHAS. B. HORNOR & SON, Mt. Holly, N. J.

A Very Valuable SHRUB at a Bargain.
Xanthoceras Sorbifolia.
A rare shrub from China. Blooms in spring, flower white; hardy.
Small plants at 20c each as long as they last.
Address
F. J. ULBRICHT,
....Lock Box 655. ANNISTON, ALA.

Ampelopsis Veitchii 2 yr. strong	Per 100	$ 7.00
Clematis Jackmanni, 2 yr. extra strong,	"	14.00
Standard Hydrangea P. G., 3—3½ ft.	"	18 00
" Lilacs, assorted, 3—4 ft.	"	10.00
" Japan Snowball, 3½—4 ft.	"	18.00

These prices are good only until surplus is reduced. SEND FOR LIST OF OTHER STOCK—Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees.

JACKSON & PERKINS CO., NEWARK, NEW YORK

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.
Hardy Herbaceous Perennials our Specialty.
Send for price list. NORWOOD NURSERIES,
Rea Brothers. NORWOOD, MASS.

DORMANT ROSES

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes } 100, 20.00
2 year old Budded stock, 3 ft. canes Doz., $2.00 100, $15.00

Kaiserin A. Victoria, 2 year budded....100, $15.00 | Hermosa, extra strong Holland grown
Mad. Caroline Testout, 2 year budded... " 15.00 | 2 year Own roots.....100, $13.00

ALL ON OWN ROOTS, AT $13.00 PER 100:

Gen. Jacq.	John Hopper.	Baron Bonstetten.	Paul Neyron.
Coquette des Alpes.	Mad. G. Luizet.	Anne de Diesbach.	Magna Charta.
Ulrich Brunner	Prince C. de Rohan.		

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild.	Mad. G. Luizet.	Malmaison.	La France.
Gloire Lyonnaise.	Mrs. John Laing.	Fisher Holmes.	Coquette des Alpes.
Marie Baumann	Prince C. de Rohan.	John Hopper.	Giant of Battles.
Paul Neyron.	Capt. Christy.	Mad. Chas. Wood.	Gen. Washington.
Boule de Neige.	Anne de Diesbach	Perle des Blanches.	Mabel Morrison.
Baron Bonstetten.	Magna Charta	Gen. Jacq.	Marshall P. Wilder.
Ulrich Brunner.			

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

The Beautiful and Rare AZALEA VASEYI (Rhododendron)

Introduced by us, is planted by thousands in Franklin Park, Boston, Prospect Park, Brooklyn, and other leading Parks of America. A mass of pink and white flowers in early spring. Unequalled in Cemetery work. It can be seen now in every large Cemetery.

Strong Budded Plants, 18-24 in .....$15.00 per 100.
" " " 2- 3 ft..... 35.00 per 100.
" " " 3- 4 ft..... 50.00 per 100.

Many new and rare species of Hardy American Plants and Carolina Mountain Flowers. Wholesale Catalog to Park and Cemetery Officials and the Trade generally. Correspondence solicited. Address

Proprietor HARLAN P. KELSEY,
Highlands Nursery, Kawana, N. C. Tremont Building, BOSTON.

"GREAT BARGAINS"

See last issue of this paper. If prices are too high make us an offer on what you want, and if we can accept we will do so. Note our Ampelopsis, Clematis Paniculata, Privet and young stock for transplanting.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Rhododendron Maximum
Kalmia Latifolia.
In all sizes and any quantity.
Special rates on car-load lots.
A special opportunity.
Write for prices.
J. WOODWARD MANNING,
1150 Tremont Building,
BOSTON, MASS.
Quotations on all other Nursery stock.

FRUIT and ORNAMENTAL TREES
SHRUBS
VINES
AND ROSES
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., GENEVA, N. Y.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

Large Elms.
25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

DREER'S SPECIAL OFFER OF SEASONABLE PLANTS.

PALMS

Young stock for growing on, in prime condition to make a fine growth during the summer months.

Areca Lutescens

	Per doz.	Per 100	Per 1000
2 inch pots, 6 to 8 inches high	$0 75	$ 6 00	$ 50 00
3 " " 10 to 12 " "	1 25	10 00	90 00
4 " " 15 to 18 " "	3 00	25 00	210 00
5 " " 18 to 20 " " 3 plants in a pot	5 00	40 00	

Caryota Urens and Sobolifera

	Per doz.	Per 100
2¼ inch pots, 6 inches high	$1 00	8 00
3 " " 8 to 10 " "	1 25	10 00

Cocos Weddeliana

	Per doz.	Per 100
2¼ inch pots, 4 to 6 inches high	1 25	10 00

Cocos Plumosus

	Per doz.	Per 100
2¼ inch pots, strong plants	1 00	8 00
3 " " " "	1 25	10 00

Kentia Belmoreana

	Per doz.	Per 100	Per 1000
2¼ inch pots, 3 to 4 leaves, 8 inches high	2 00	15 00	125 00
3 " " 4 to 5 " 10 to 12 inches high	3 00	25 00	200 00
4 inch pots, 5 to 6 leaves, 12 to 15 inches high	4 50	35 00	325 00

Kentia Forsteriana

2¼ inch pots, 3 to 4 leaves, 8 inches high. Per doz........$ 1 50
Per 100.................... 12 00
Per 1000.................... 100 00
3 inch pots, 3 to 4 leaves, 12 inches high. Per doz....... $ 2 50
Per 100.................... 20 00
Per 1000.................... 190 00

Latania Borbonica

2¼ inch pots, 3 leaves.
Per doz....................$ 0 60
Per 100.................... 4 00
Per 1000.................... 35 00

Livistonia Rotundifolia

2 inch pots. Per doz......$ 1 25
Per 100.................... 10 00
Per 1000.................... 90 00
3 inch pots. Per doz...... 2 00
Per 100.................... 15 00
Per 1000.................... 125 00

Phoenix Rupicola

2 inch pots. Per doz...... 1 00
Per 100.................... 8 00
Per 1000.................... 75 00
3 inch pots. Per doz...... 1 25
Per 100.................... 10 00
Per 1000.................... 90 00

The above sizes are leaders, of which we have a large supply, and with which it will pay you to fill up any vacant room that you may have after Easter. For a full line of all sizes, see our Quarterly Wholesale List which has just been issued.

SEASONABLE BULBS

Tuberous Rooted Begonias

	Per doz.	Per 100	Per 1000
Singles in separate colors	$0 40	$ 2 50	$20 00
Singles in choice mixture	35	2 00	18 00
Doubles in separate colors	65	5 00	40 00
Doubles in choice mixture	50	4 00	35 00
New Frilled Begonia, 25c. each	2 50	20 00	
New Sun Proof Begonia, Duke Zeppelin	2 00	15 00	

Cloxinias

	Per doz.	Per 100	Per 1000
A select strain of Erect flowering varieties, either in separate colors or in choice mixture	$ 50	4 00	30 00

Caladiums, fancy leaved

	Per doz.	Per 100
A choice assortment of 25 distinct varieties: Strong bulbs	2 00	15 00

Caladium Esculentum

Fine sound bulbs.

	Per doz.	Per 100
6 to 8 inches in circumference	50	4 00
8 to 10 " "	75	6 00
10 to 12 " "	1 00	8 00
12 to 13 " "	1 50	10 00

Dahlias

	Per doz.	Per 100
The finest varieties known, in Show, Fancy, Quilled, Cactus and Single	1 00	8 00

ANEMONE QUEEN CHARLOTTE.

Montbretias

Seven finest varieties.
Per doz....................$ 25
Per 100.................... 1 75
Per 1000.................... 15 00

Tigridia, Conchiflora, Crandiflora and Pavonia Crandiflora

Per doz....................$ 30
Per 100.................... 2 00

Also a full line of Gladiolus, Lilies, Amaryllis, Tuberoses, etc.

LEADERS in PERENNIAL PLANTS

Varieties Specially Suited for Summer Cut Flowers

Anemone Japonica. Queen Charlotte. 2¼ inch pots.
Per doz... $1 25 Per 100. $10 00
Anemone Japonica, in variety. 2¼ inch. Per doz........ $ 75
Per 100.................... 5 00
Achillea, The Pearl. 2¼ inch pots. Per doz............$ 50
Per 100.................... 4 00
Boltonia Asteroides. Strong divisions. Per doz..........$ 75
Per 100.................... 6 00
Boltonia Latisquama. Strong divisions. Per doz.........$ 75
Per 100.................... 6 00
Coreopsis Lanceolata Grandiflora. Large clumps.
Per doz...$ 75 Per 100 .$ 6 00
Delphinium Formosum. Strong one year old.
Per doz ..$ 75 Per 100..$ 6 00
Delphinium Cuinensis. Strong one year old. Per doz... $ 75
Per 100.................... 6 00

	Per doz.	Per 100
Delphinium Belladona. Strong, 2½ inch pots	$ 2 00	$15 00
" Frau Emma Metzger. 3 inch pots	2 50	20 00
Doronicum Austriacum. Strong clumps	1 00	8 00
" Excelsum. " "	1 25	10 00
Gypsophila Paniculata. Strong one year old	75	6 00
Helenium Pumilum. Strong divisions.	1 25	10 00
Helianthus Multiflorus Fl. Pl	75	6 00
" " Maximus	75	6 00
Heliopsis Scaber. Strong divisions	75	6 00
" " Major. 2¼ inch pots	1 00	8 00
Hollyhocks, Dreer's Superb Double. Strong one year clumps in separate colors	1 25	10 00
" " " " choice mixture	1 00	8 00
Hypericum Moserianum. Two year old plants	1 00	8 00
Iris Kaempferi. Choice named, strong divisions	1 50	10 00
" " " mixed. "	1 00	8 00
Lychnis Vespertina Alba. Strong clumps	2 00	15 00
" Viscaria Splendens. Strong divisions	1 25	10 00
Phlox. Finest 25 varieties in America, 2 inch pots.	75	5 00
Physostegia Virginica. Strong divisions	75	6 00
" " ALBA. Strong divisions	75	6 00
Pyrethrum Hybridum, seedlings, strong clumps	1 00	8 00
" " " 3 inch pots	75	6 00
Rudbeckia Golden Glow. Large clumps	1 25	10 00
" " " Strong divisions	50	3 00
Scabiosa Caucasica. 3 inch pots	1 25	10 00
" " Alba. 3 inch pots	1 25	10 00
Tritoma Uvaria Grandiflora. Strong clumps	1 50	12 00
" " " " divisions	75	6 00
" Pfitzeri " "	1 50	10 00
Veronica Longifolia Subsessilis. Strong clumps	2 00	15 00
" " " 2¼ inch pots	50	4 00

Fine FERNS for Immediate Use.

Adiantum Farleyense

4 inch pots Per doz...... $ 5 00
Per 100.................... 40 00

Adiantum Cuneatum

	Per doz.	Per 100	Per 1000
2¼ inch pots	$ 0 50	$ 3 50	$ 30 00
3 " "	75	6 00	50 00
5 " "	2 00	15 00	140 00

	Per doz.	Per 100
Adiantum Gracillimum. 4 inch pots	$1 50	$12 00
" Pubescens. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
Aspidium Tsussimense. 2¼ inch pots	50	4 00
" " 3 " "	75	6 00
Doodia Aspera Multifida. 3 inch pots	75	6 00
Lastrea Chrysoloba. 3 inch pots.	75	6 00
Nephrodium Hertipes. 3 inch pots	75	6 00
Nephrolepis Cordata Compacta. 3 inch pots	75	6 00
" " " 4 " "	1 25	10 00
Pteris Adiantoides. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
" Argyrea 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
" Magnifica. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
" Ouvrardi. 3 inch pots	75	6 00
" Serrulata Cristata. 3 inch pots	75	6 00
" Tremula. 2¼ inch pots	50	3 50
" " 3 " "	75	6 00
Mixed Ferns in choice variety. 2¼ inch pots	50	3 50
" " " " " 3 " "	75	6 00

For a complete list of Perennials, as well as all other seasonable stock, please refer to our Current Quarterly Wholesale List which has just been issued. If not already received, send for a copy.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At St. Louis.

The St. Louis bowling team rolled six games Monday, April 2. The following is the score:

Player	1st	2d	3d	4th	5th	6th	Av
Kuehn	151	142	162	176	139	179	158
Beneke	138	131	181	151	161	146	152
Kunz	144	149	132				142
Weber	149	140	147	129			141
Young	142	118	134	117			128

J. M. H.

At New York.

Monday evening, April 2, found a lighter attendance than usual at the bowling alleys, but those who were present made up in industry for the lack of numbers, as the following scores will show. The high rollers are gradually coming to the surface. Watch out for them next August:

Player	1st	2d	3d	4th	5th
Traendly	213	127	117	121	115
Siebrecht	100	124	127	163	161
J. Lang	63	77	60	131	89
Burns	141	113	135	166	151
Hafner	135	166	144	155	
Moody	104	115	121	119	
Taylor	88	120	110	90	72
T. J. Lang			133	228	163

At Denver.

The following scores were made on the Denver alleys on the evening of March 20:

Player	1st	2d	3d	Av
A. E. Mauff			199	199
Ed. Emerick	112	243	183	179
Chas. Thiess	182	151	190	174
A. M. Lewis	193	194	124	170
John Berry	160	166	165	164
Michael Bloy		122	192	157
A. N. Benson	114	122	123	129
J. A. Valentine		160	92	126
Geo. Zimmer	115	153	88	119
Sam. Lundy	123	105	112	113

The attendance March 26 was rather slim. Philip Scott participated and gave us an idea how to knock down the pins. Following is the score:

Player	1st	2d	3d	Av
Philip Scott	173	196	217	195
John Berry	223	164	173	187
Ed. Emerick	141	144	164	150
M. Bloy	124	162	156	147
Chas. Thiess	130	165	149	145
A. E. Mauff	138	113	176	142
J. A. Valentine	131	118	138	129

J. B.

The following scores were rolled by Denver bowlers on Tuesday, April 3:

Player	1st	2d	3d	Av
John Berry	152	202	206	187
Phil. Scott	159	189	194	181
J. A. Valentine		166	165	166
Chas. Theiss	157	119	190	156
A. N. Benson	113	167	164	148
Geo. Zimmer	151	166	119	142
Ed. Emerick	129	155	135	140
Fietz	118	118	141	126

PHIL. SCOTT.

At Chicago.

At a meeting of the Chicago Florists' Bowling Club on March 30 the resignation of Secretary Alex. Henderson was received and Geo. Asmus elected to the vacancy. It was voted to wipe the slate and begin afresh with practice Wednesday nights preparatory to receiving the St. Louis team; those making the highest averages will constitute the team. Steps were also taken toward a team for the New York contest in August. Subsequent to adjournment the following games were rolled:

Player	1st	2d	Player	1st	2d
G. Asmus	124	137	Chas. Hughes	119	127
Ed. Winterson	108	147	W. Krietling	95	111
Chas. Balluff	159	127	J. Degnan	151	130
Geo. Stollery	124	121	Phil. Hauswirth	146	136
F. Stollery	139	131			

The following games were rolled at Anson's on April 4:

Player	1st	2d	3d	4th	Av
Chas. Balluff	186	168	227	169	188
George Asmus	176	167	142	227	178
P. J. Hauswirth	123	170	188	170	161
George Stollery	191	161	141	134	157
Chas. Hughes	168	141	124	170	151
Fred Stollery	157	163	155	126	150
J. Degnan	191	146	144	119	150
E. F. Winterson	145	155	180	118	150
Walter Kreitling	128	110	123	122	121

Chicago.

STATE OF THE MARKET.—CUTS INCREASING AND PRICES A LITTLE EASIER.—BIG BUSINESS ANTICIPATED NEXT WEEK.—A PLEA FOR FRESH STOCK AND EARLY CONSIGNMENTS.—FISK TO BE WITH RANDALL.—EVANSTON GROWERS OPEN DOWN TOWN.—PRELIMINARY SCHEDULE FOR THE FALL SHOW.—VARIOUS NOTES OF LOCAL INTEREST.

Trade has been good this week but prices have varied somewhat from day to day, the cuts increasing generally. On Thursday there were large receipts and Friday brought in still larger quantities of stock, the cheaper grades of which, as usual, fell a prey to the fakirs. There are a great many Beauties to be had but the demand has thus far been sufficient to consume them all. Of teas the supplies are fully up to the call and of carnations the shortage is no longer great; in fact it begins to look as though there would be a fairly adequate cut for Easter. All bulbous stock is doing reasonably well. The Easter prospect is bright. There seems to be assurance of enough stock to permit of a record breaking business and the call for material promises to be unprecedented. Very many early orders have been booked. The commission men are issuing the usual warning to their growers, decrying pickling and asking for consignments on Thursday rather than on Saturday, but it is a regular practice for the small growers to send in loads of stale stock on the day before Easter and many of them will doubtless repeat their folly next week; such may rest assured that they will reap only fakirs' prices.

A. L. Randall will go to West Baden, Ind., as soon as the Easter rush is over, for his annual outing. During Mr. Randall's absence C. H. Fisk will be in the store, where he will be regularly employed after May 1. Mr. Fisk is an old-time wholesaler and his well-known desire to get back into the business has has given rise to the story that he has purchased an interest with Mr. Randall, but this is denied. Mr. Fisk's retail place on Wabash avenue will be in charge of John Starrett, now with McKellar & Winterson.

Weiland & Risch have opened at 59 Wabash avenue and report a good first week. They have a neatly fitted up store, easily accessible, with every opportunity to achieve a considerable business success. Mr. Weiland is a very capable grower and the stock he is sending in is of the best. They are growing all the up-to-date sorts and next season will make large plantings of Lawson carnation and Liberty rose.

Bassett & Washburn say that their lilies have shown no more disease this year than usual but that among the plants were a lot of what Mr. Bassett calls "mongrels" with which they could do nothing. These were discarded and they will have a choice cut for Easter.

According to E. E. Pieser the violet growers are making more money at the present low rates than they were at the high prices which prevailed a few weeks ago. The reason is that cuts have increased faster than prices have fallen.

Kenuicott Bros. Co. announces that hereafter they will pay shippers every Monday. This is a practice which will eventually become general among commission men but which is new to this market.

W. E. Lynch has had his new establishment at 64 Wabash avenue painted and fitted so that it is now one of the most attractive and best equipped wholesale houses in the city. He has a fine line of baskets and other supplies for Easter, and has arranged for large shipments of all seasonable flowers in the best grades.

The preliminary premium list of the annual exhibition of the Horticultural Society of Chicago, to be held this year November 6 10, inclusive, is now ready for distribution and copies may be had on application to the Secretary, Room 1002, 185 Dearborn street, Chicago.

McKellar & Winterson report surprisingly numerous sales of plants the past week, principally Rambler roses, lilies and spiræas. This firm has an immense stock of fancy ribbons for Easter, imported direct from Paris.

A. G. Prince states that business has been remarkably good with him throughout the entire season. He expects heavy trade at Easter, but has sufficient stock to meet all demands. His roses and lilies are especially good.

Wietor Bros. and George Reinberg have each considerable quantities of plants of American Beauty, each with from one to three or four blooms. They find them very salable.

They are planning a rose garden for Lincoln Park, rivaling the one on the Wooded Island, Jackson Park, which attracts so many visitors each spring.

C. J. Reardon is now temporarily located in this city, having resigned his position as head gardener to Mrs. S. W. Allerton, Lake Geneva, Wis., April 1.

Deamud is receiving large shipments of extra fine roses, lilies, carnations and violets. Some good daffodils are also coming to this house.

Gus Lange returned yesterday from a two weeks' trip east, visiting New York, Philadelphia, Utica, Buffalo and Detroit.

S. B. Winter underwent another surgical operation early this week. He has sat up just four times in eight months.

Emil Buettner is building two new houses, 25x150. Mr. Buettner's stock is particularly good this year.

E. C. Amling thinks that there will be much stock for Easter but that orders will consume it all with ease.

Mr. and Mrs. O. P. Bassett are at home from a very pleasant outing at West Baden.

Vaughan's Seed Store has been thronged with customers the past week.

F. F. Benthey says that the prospects are for the best Easter on record.

Budlong is selling Beauty plants as fast as he can root the cuttings.

Peter Reinberg will have a very heavy cut on for Easter.

Visitors: H. Weber, Oakland, Md.; F. W. Lempke, Detroit; B. F. Vandervate, Galena, Ill.; Geo. A. Kuhl, Pekin, Ill.; Mr. Brooks, of Brooks & Hause, Dwight, Ill.; L. E. Coleman, Belvidere, Ill.; W. P. Harvey, Geneva, Ill.

Beginning April 1st, Kennicott Bros. Co., Chicago,
will pay all shippers on Monday of each week.
Too much work to carry monthly accounts.

EASTER PRICE LIST.

Subject to Change Without Notice.

	Price per Hundred.
Am. Beauties, short	$10.00 to $12 50
Am. Beauties, medium	15 00 to 18.00
Am. Beauties, fancy, fair length	25 00 to 35.00
Am. Beauties, long	50 00 to 75.00
Meteors, extra select	8.00 to 10.00
Brides, Maids, extra select	6 00 to 8 00
Meteors, Brides, Maids, good average	5 00 to 7 00
Perles, extra select	4.00 to 6.00
Roses, our selection	4.00
Carnations, special fancy varieties	6 00
Carnations, choice	4.00 to 5.00
Carnations, good average	2.50 to 3.50
Carnations, our selection	2.00

P. AND D. AT COST.

	Price per Hundred.
Violets and Pansies	$ .60 to $ .75
Valley, our specialty—the best	2 50 3 50
Smilax	12.50 to 15.00
Harrisii	12 50
Callas	12.50
Daffodils, single and double	2 00 to 4.00
Daisy, Forget-me-not	.75 to 1.00
Adiantum	1.00
Asparagus	per string, 50c to 75
Mahonia Leaves	1.00
Leucothoe Sprays	per M, $6.50 .75
Galax	per M, 1.25
Common Ferns	per M, 2.00

YOURS TRULY, **Kennicott Bros. Co.**

42-44 Randolph St., Chicago.

Beginning April 1st, Kennicott Bros. Co., Chicago,
will pay all shippers on Monday of each week.
Too much work to carry monthly accounts.

FOR EASTER EVERY FLORIST THAT NEEDS HARDY CUT FERNS

. . . Good, fresh, green Stock. The right color and size to use in any decoration . . .

Also good green Sheet Moss in barrels or shipped with ferns in boxes. Send your order at once to

PRICES RIGHT. **E. H. HITCHCOCK, Glenwood, Mich**

	Per 100	Per 1000
Paeonias,		
25 choice named sorts	$10.00	$90.00
Fine mixed	8 00	75.00
Japanese Iris,		
12 choice named	6.00	50.00
German Iris,		
12 superb named	3.50	30 00
Mixed	3.00	25.00
Dwarf Iris,		
(Nudicaule)	3.00	25.00
Hollyhocks,		
New Allegheny, strong, full-grown roots	10.00	
Golden Glow,		
Field-grown roots	2.00	15 00
Bleeding Heart		
(*Dicentra spectabilis*), field-grown roots	6.00	50.00

J. T. LOVETT,
LITTLE SILVER, NEW JERSEY.

It is True

THAT CARNATIONS WILL BE SCARCE FOR EASTER, BUT WE WILL FILL ALL ORDERS which are PLACED IN ADVANCE

Our Easter Lilies you know to be good
On Roses we never disappoint
Violets our specialty Valley, the finest
Tulips Daffodils Smilax
Asparagus Callas
And anything else you may want

PLACE YOUR ORDER NOW

HOLTON & HUNKEL CO., Milwaukee, Wis.

Indianapolis.

TRADE GOOD AND EASTER PROSPECTS EXCELLENT.—PLENTY OF STOCK ANTICIPATED.—MEETING OF THE STATE FLORISTS' ASSOCIATION.—VARIOUS TALES.

Business in this vicinity is regarded as very satisfactory and there are good prospects for an excellent Easter trade. Roses and carnations are very scarce at present, but with a fair amount of bright days, we may expect a good supply for Easter. The lily situation is pretty bad, disease everywhere and many blooms behind time. The extreme scarcity of roses in this city is generally regarded as due to the many benches of old roses that have been held over. The experiment has been a costly one for many growers and will not be repeated in a single instance this year. Smith & Young Company report the violet business as extremely satisfactory. The demand for potted violets is in excess of the supply. Lady Campbell is the variety grown for this purpose; 6-inch pot plants with twenty-five to thirty well developed flowers is the ordinary run.

Mr. Hasselman, who is busy rebuilding after the fire, will equip his place with all the latest improvements, especially regarding the heating apparatus.

The florists' meeting, April 3, was held at Garfield Park and was conducted by Vice-president Coles, of Kokomo. It was reported that with the first blooms of crocuses, flower thieves also appeared. The advisability of offering a reward for their arrest was discussed, but the general opinion was that the reward tails of its purpose, as in the two cases of last season the convicted thieves were released on suspended sentences, thus securing the reward for the patrolman without punishing the prisoner.

City Gardener McKeand, as usual, has his houses in "apple pie" condition; everything from bedding plants to the city monkey, which has his winter quarters in the greenhouse shed, is flourishing. "Mac" is a great hand in propagating; we should not be surprised to hear that he had made a successful effort to propagate the monkey by taking cuttings from its tail. At planting time this season Mr. McKeand will have 250,000 bedding plants. The florists will celebrate the occasion by a social gathering on May 6 at Garfield Park.

Bauer & Smith showed a vase of fine carnations at the club meeting; among them were several Pratt and some fine flowers of Flora Hill, which is still their favorite white. Charles Ney and Frank Hasselman were elected members of the association. H. J.

Fine, Stocky Plants.

	Per 100
Alternanthera, yellow, $1.75, red	$2.00
Oxalis Floribunda, fine for vases	2.00
Ageratum, 3 var.	2.00
Double Petunia, 3-in. pots	3.75
Coleus, 2 and 2½-in. pots, good asst.	2.00
GERANIUMS 2½-in. pots, my selection	3.00
" 3 " " "	4.00
Centaurea Gymnocarpa, 2-in. pots	2.00
Verbenas, 2 and 2½-in. pots, good asst.	2.00
Vinca Vines, 2 var., fine for vases	3.00
Carnations, 5 var., 2-in. pots	3.00
Asparagus Sprengeri, May 1st	4.00
Smilax, May 1st, 2-in. pot	1000, $8.00 1.00
Pansy Plants from cold frames	2.00
Heliotrope, white and purple	2.50

—CASH PLEASE—

JOS. H. CUNNINGHAM
DELAWARE, O.

Please mention the American Florist when writing

FLORISTS' · FLOWER · SEEDS

Antirrhinum Queen of the North
Snow white, an excellent cut flower. Blooms summer and winter. Trade pkt. 10c; oz. 30c.

Aquilegia Cœrulea
Fine pot plant. Trade pkt. 10c.

Aquilegia Cœrulea Hybrida
The seed of these new hybrids has been supplied to us by Mr. L. Burbank, who describes them as "marvelously improved in size and colors—by far the best seed ever offered." Trade pkt. 25c.

Asparagus Plumosus Nanus
100 seeds, $1.00; 1000 seeds, $9.00.

Asparagus Sprengerii
Per 100 seeds, 60c; 1000 seeds, $5.00.

Asparagus Decumbens
New, 25 seeds, 60c; 100 seeds, $2.00.

Candytuft
New Giant Hyacinth Flowered, White. An improvement on Empress. Trade pkt. 10c; oz., 60c.

Empress—An extra fine strain.
Trade pkt., 10c; oz., 20c.

Castor Bean, Zanzibar Giant
Pkt. 5c; oz., 10c.

Centaurea Imperialis
White or pink, new cut flower, much better than Margaret. Trade pkt. 25c.

Cobæa Scandens
Trade pkt., 10c; oz., 30c.

Mignonette—Giant Machet.
An excellent strain. Trade pkt. 10c; oz., 50c.

Nasturtiums—Tall or Dwarf.
Separate sorts, oz., 10c. Vaughan's Special Mixture—Tall or Dwarf—each, oz., 10c; ¼ lb., 30c; lb., $1.00. Mme. Gunther's Hybrids, oz., 10c; ¼ lb., 20c; lb., 60c.

Scabiosa Snowball
Large double white, splendid cut flower. Trade packet, 10c., oz., 25c.

Lelania Borbonica Seed
Just received. Per lb., 60c; 10 lbs., $5.00; 100 lbs., $45.00.
(One pound contains about 250 seeds.)

SWEET PEAS.

	oz.	¼ lb.	lb.
Blanche Burpee Large white	$0.05	$0.12	$0.40
Blanche Ferry 10 lbs., $2.50	.05	10	.30
Blanche Ferry, Extra Early 10 lbs., $2.50	.05	.10	30
Bride Extra fine white	.05	.15	.50
Countess The new, best lavender	.05	12	40
Earliest of All Pink and white	.10	.25	.80
Emily Henderson White, 5 lbs., $1.40	.05	.10	.30
Her Majesty Rose, large flower	.05	15	.40
Lovely Soft shell pink, beautiful	.05	.15	50
Maid of Honor Improved Butterfly	.05	15	45
Navy Blue Almost true blue	.15	.40	1 50
Sadie Burpee New, white	.15	40	1.50
Salopian The best red	.05	.15	.50
Vaughan's Prize Mixture 10 lbs., $4 25		.15	.50
Vaughan's Florists' Mixture		.15	.40
Eckford Mixture 10 lbs, $2.50		.12	30

For other kinds of Flower Seeds see our "Book for Florists," sent free on application.

VAUGHAN'S ASTER SEED—See advertisement in issue of AMERICAN FLORIST for March 24. Ten per cent discount on orders for flower seeds of $2.00 and over for cash with order.

NEW YORK, 14 Barclay St. **Vaughan's Seed Store** CHICAGO, 84-86 Randolph St.

Oh! What a Difference

Between the usual auction room stock and that we are going to open up this season. Mr. McCarthy has just returned from Europe after inducing growers of high repute to consign stock such as is seldom seen in the United States. It will be offered at the regular auction sales April 20th, 24th and 27th. It includes 20,000 Hybrid Roses, 5000 Ornamental Conifers and Evergreen Shrubs, 50,000 deciduous Trees and Shrubs, all the most desirable sorts. Symmetrical specimens of Cupressus, Box and Retinospora. Fifty splendid standard and pyramidal Bays. All in fine condition. Send for Catalogue. Remember the date. Sales begin at 9:30 A. M. promptly each day.

N. F. McCARTHY & CO. 84 Hawley Street, BOSTON, MASS.

NEW DAHLIAS.

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

SPECIAL OFFER.

A. 1 stock of Brides and Bridesmaid 2-inch at $2 per 100; $15 per 1000. Rooted Carnation Cuttings, Flora Hill, $1 per 100; Jubilee, $1 per 100; White Cloud, $2 per 100. CASH WITH ORDER.

WEST VIEW FLORAL CO., Knightstown, Ind

PLACE YOUR NAME.....
and your specialties before the purchasing florists of the entire country by advertising in
SEND ADVT. NOW. **THE AMERICAN FLORIST.**

READY FOR BUSINESS!

Weiland & Risch

59 Wabash Ave. *LONG DISTANCE TELEPHONE CENTRAL 879.* **CHICAGO.**

.....WHOLESALE.....
GROWERS AND SHIPPERS OF CUT FLOWERS.

OUR EASTER PRICE LIST.

	Per 100.		Per 100.
Harrisii and Longiflorum Lilies	$10.00@$12.00	Valley	4.00@ 5.00
Callas	10.00@ 12.00	Romans	2.00@ 3.00
Am. Beauties, long	35 00@ 50.00	Dutch	3.00@ 5.00
" medium	15 00@ 30.00	Daffodils	2 00@ 3 00
Maids	6.00@ 10.00	Tulips	3 00@ 5 00
Brides	6.00@ 10.00	Mignonette	1.00@ 3 00
Meteors	6.00@ 10.00	Marguerite	1.00
Perles	5 00@ 7 00	Forget-me-not	1.00
Carnations	3.00@ 4.00	Smilax	12 00@ 15.00
" fancy	4.00@ 6.00	Adiantum	1.00
Violets	1.00@ 1.25	Ferns	Per 1000, $2.00 .25

Quotations subject to change without notice.

Remember we grow all the new and standard varieties of Roses and Carnations, and have a fine supply of American Beauties. We solicit a trial order from you.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. **WAVERLEY, MASS.**

VINCA VINES AND SMILAX.

	Per 100
4-inch pot Vinca Vines	$8.00
2¼-inch pot Vinca Vines	2.50
Plants from flats (these have been in flats for past two months)	1 50
2¼-inch pot Smilax	2.00

Cash With Order or C. O. D.

WM. A CLARK & SON, 59 State St., Watertown, N. Y.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Gold Standard Value

Represents quality of stock listed below:

25,000 2½-inch ROSES Brides, Meteors, Maids and Perles, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first-class.

25,000 CARNATIONS—Rooted cuttings, selected cuttings only, well-rooted, 25 choicest up to-date varieties, standards, $7 50 per 1000. Be sure and see our list before buying.

VERBENAS. 20th Century Collection—Rooted cuttings all sold. 2-inch ready May 1st, $2.00 per 100.

FUCHSIAS—10,000 strong rooted cuttings, 10 choicest varieties, $1.00 per 100 while they last, strong 2½-inch in 4 varieties, 3c.; 2-inch 2c.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000.

Geraniums, sweet-scented, strong 2½-inch 2½ cents; strong 2-inch, 2 cents. Mme. Salleroi, strong 2-in., at $2.00 per 100.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.00 per 100.

Smilax, strong, 2-inch, $1.00 per 100; $8.00 per 1000. Strong seedlings, 50c per 100, $4.00 per 1000 by mail. Double extra strong, 2-inch, $1.25 per 100, $10 00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1.00 per 100.

Vincas, Major and Variegata, strong 2½-in., 3c; strong 2-in., 2½c.

Marguerites, New Giant White, a grand sort, and New Golden, strong 2½-in., 2½c; strong rooted cuttings, $1.00 per 100

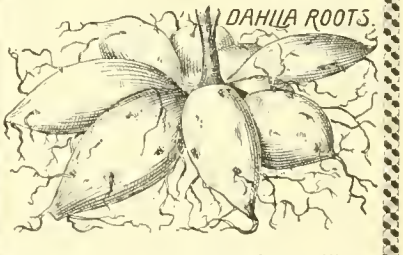
Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

American Florist Advertisements Work Every Day.

DAHLIA ROOTS.

Field Ground, in Perfect Condition and True to Name.



Black Prince, Bloomfeather, Calibre, Clifford W. Bruton, Columbia, Dandy, Donald Beaton, Dr. Harry Freeman, Electric, Emperor, Fanny Purchase, Fern-leaved Beauty, Gloriosa, Golden Gem, Honora, John Bragg, Keynereith, King of Cactus, Maid of Kent, Marquadt, Matchless, Oban, Red and Black, Wm. Agnew, Wiltshire Lass, **$5.00 per 100.** Blanch Keith, Fringed Electric, Gilt Edge, Golden Age, Golden Bedder, Grand Duke Alexis, Little Fred, Little Rifleman, Madge Wildfire, Miss Dodd, Miss Mae Lomas, Mrs. Daniels, Mrs. Dexter, Mrs Hawkins, Mrs A. Peart, Nymphaea, Patrick Henry, Snow Clad, Wacht-am-Rhein, **$6 per 100** Single Dahlias, named, **$5 per 100.** Fine Mixed Dahlias, **$4 per 100; $35 per 1000.**

J. T. LOVETT,

LITTLE SILVER, - N. J.

FERNS Cordata Compacta. Fine plants from bench at $2.00 per 100. Cash.

H. P. SMITH, Piqua, O.

Always mention the American Florist when you order stock.

Baltimore.

HALLIDAY HAS SOME EXCELLENT WINDOW DECORATIONS.—MUCH INTEREST IN THE CLUB.—MRS. HILL RECOVERING.

It is not common to decorate windows elaborately during Lent but the display of W. J. Halliday was quite a picture last week. One window was banked with ericas, bunches of the same being carried up the columns at the side by means of Kift hangers. Tartan ribbons were used here and there, the evident design being a Scotch effect, except in one corner where a tall cluster of American Beauties with a small bunch of red, white and blue ribbon gave the American touch. Back of all was a mass of genistas. The other window was massed with rhododendrons behind Bridesmaid roses. Lily of the valley and violets finished the front and a large but very slenderly built wreath of the same flowers was suspended midway above. The effect was most pleasing.

Mrs. Fannie Hill has almost recovered from her accident. The broken wrist is still encased in plaster and very painful, but she hopes to be able to use it in a week or so to answer the letters of inquiry and condolence which came from friends in other cities.

The last club meeting was well attended, the new president occupying the chair with ability. Eight new members were elected and a large number of names taken for the carnation society, owing to the exertions of F. G. Burger and R L. Graham, who have been appointed a committee to extend the membership of the national society.

MACK.

METHUEN, MASS.—The greenhouses of Jas. Madding have been sold and will be removed to another location.

ASPARAGUS SPRENGERI, fine plants, 2½-in. pot.....$4 per 100
NEW FORGET-ME-NOT. Sutton's Gems, large plants ready to bloom.....$5 per 100
DAHLIAS, named sorts, field roots.....$4 per 100
BEGONIAS, (tuberous) single.....$2 per 100
GLOXINIAS, fine strain.....$3 per 100
GLADIOLI, fine mixture, 2d size.....$4 per 1000
SEND FOR CATALOGUE AND LIST OF BULBS.

A. BLANC & CO., Philadelphia.

Orchids!

We are headquarters for established and imported Orchids in the United States. Our new price list is now ready.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.
Please mention the American Florist when writing.

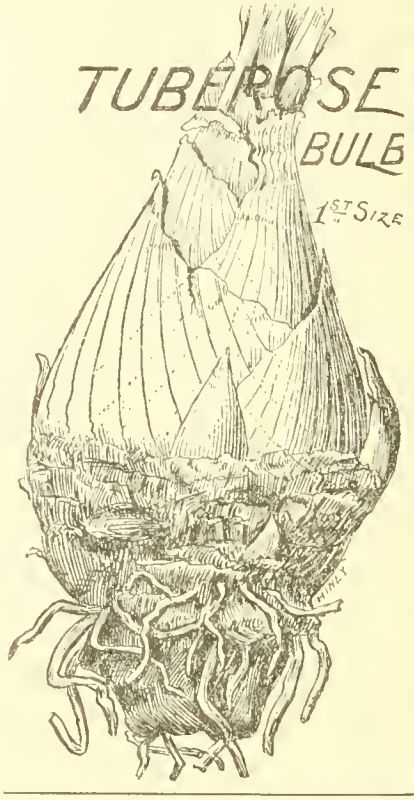
PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

CYCLAMEN PERSICUM GIGANTEUM,
In the various colors and shades.
Plants are in healthy condition, $5.00 per 100; $40.00 per 1000.
Money Order Office Chestnut Hill, Phila.
EDWIN LONSDALE, WYNDMOOR, Montgomery Co., PA.

COLEUS ROOTED CUTTINGS
VERSCHAFFELTII, GOLDEN QUEEN, Assorted kinds. Usual prices.....
L. H. FOSTER, 45, King Street, Dorchester, Mass.



Excelsior Pearl Tuberoses

The True Dwarf Pearl, Southern Grown and of Extra Quality; Bright, Sound and Healthful.

Monster Bulbs, 6 to 8 inches, $1 per 100; $8 per 1000.
First-class, 4 to 6 inches (size of cut), 75c per 100; $6.00 per 1000. Second size, 2½ to 4 inches (all blooming Bulbs), 50c per 100; $3.50 per 1000.

ORDER QUICK, AS THEY ARE GOING RAPIDLY.

J. T. LOVETT,
Little Silver, N. J.

DORMANT CANNAS.

Now is the time to start up your Cannas.

	Per 100
FLORENCE VAUGHAN	$4.00
CHAS. HENDERSON	4.00
LEONARD VAUGHAN	5.00
INGLEWOOD	6.00
DWARF FLORENCE VAUGHAN (new)	8.00
MLLE. BERAT	4.00
SEC. CHABANNE	4.00
SOUV. DE ANTONE CROZY	$5.00
F. NEUVESSEL	4.00
BURBANK	3.00
AUSTRIA	2.00
PRESIDENT McKINLEY	4.00
MIXED BULBS	2.00

We can supply many other sorts in 3-inch pot plants. Write for prices.

14 BARCLAY STREET NEW YORK. VAUGHANS' SEED STORE, 84 & 86 RANDOLPH STREET. CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

BEGONIA CALEDONIA
The White Lorraine
We are now booking orders for fall delivery.
Plants from 3½-in. pots,
$5.00 EACH.

R. & J. FARQUHAR & Co.
16 and 19 S. Market St.
BOSTON, MASS.

MAMMOTH VERBENAS Large rooted plants, 60c per 100, $4.50 per 100.
Cyclamen, 3-in., $5 per 100. White stocks for Easter, 2-in., $1.50 per 100. Rooted cuttings double and single Petunia mixed, $1.00 per 100. Dwarf Lobelia, $1 per 100.
SAMUEL WHITTON, 15-17 Gray Ave., Utica, N.Y.
Please mention the American Florist when writing.

DAHLIAS

Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well-tested ones good enough? I have both. My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Paeonies. Write for catalogue and price list.
W. W. WILMORE, Dahlia Specialist.
Box 382. Denver, Colo.

MONEY MAKER.

Silene nana compacta fl. pl. sells at sight; a very beautiful plant for pots, bedding, borders, etc. It grows only 6 to 8 inches high, forms a compact globe-shaped plant and is covered over and over with hundreds of nice double flowers. It is a very profitable plant for every florist. Try them. We have two kinds:
1. "Verschaffeltii", dark red foliage and scarlet flowers.
2. "Delicata", green foliage and pink flowers.
Very strong plants, ready for 4-inch pots, $2.50 per 100; $10.00 per 500.
Pansy, Myosotis, Bellis per. fl. pl., cold frame size, $3.00 per 1000. Cannas, Mme. Crozy, P. Marquant. Stocks, Ten Weeks, white, $1.50 per 100.
Shellroad Greenhouse Co., Grange P. O., Balto., Md.

Your Easter Order, Please!

We have the record of the best Lilies that were sent out from Boston last year. We have the stock from same grower this year.

30,000 - LONGIFLORUMS - 30,000

We meet all competition on prices and you will have to pay no more for this extra stock than will be charged by growers distributing poor and badly packed material.

Also a heavy supply of all Bulbous stock, *Roses, Carnations, Violets, Asparagus, Lily Plants, low grown, Azaleas and Spiraeas.* Send for Prices.

N. F. McCARTHY & CO., 84 Hawley St., BOSTON, MASS.

N. B.—Auction Sales for 1900 will begin on April 20th.

10,000 Ferns IN FINE CONDITION

FOR EASTER FERNERIES.

	Per 100	Per 1000
CYRTOMIUM FALCATUM,	$4.00	$35.00
PTERIS SERRULATA,	3.50	30.00

☞*SEND ORDERS EARLY.*

S. MUIR,

3530 Michigan Ave., CHICAGO, ILL.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

PEPPER, small plants for transplanting, in several varieties; 25c per 100; $2.00 per 1000. Add 10c per 100 if by mail.

EGG PLANTS, New York Improved, for transplanting, 25c per 100; $2.00 per 1000.

CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM (no finer strain on the market) now ready to ship. A splendid stock of plants, in four separate colors; August Seedlings from 2½-in. pots, $5 per 100 $40 per 1000; October Seedlings from flats, $3.50 per 100, $30 per 1000. SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa.

NEW GERANIUMS

It is a good time to brighten up your collection by adding to it some of the recent introductions.

A set of six splendid New Double for $1.25
A set of six New Brunot for $1.25.
A set of four New Singles for 75c.

Geraniums, splendid assortment of best bedding varieties, $3.00 per 100, $25.00 per 1000.

	Per 100
Acalypha Macafeeana	$ 5.00
Allamanda Williamsi	8 00
Begonia Rex	5 00
Begonia Manicata Aurea	5.00
Cobea Scandens	4 00
Coleus in variety	2.50
Cannas, all leading varieties, strong started plants	4 00
Hibiscus Sinensis, 5 varieties	3.00
" " Peachblow	10.00
Hollyhocks, 4 separate colors	5.00
Lantanas, good assortment	3 00
Moon Vines, white and blue	Per 100 $3.00
Pinks, hardy garden	" 3.00
Salvia Splendens	" 2.50

ROSES

Liberty, the new crimson scarlet forcing Rose, strong 3 in. pots, $25.00 per 100.

Everblooming Roses—Large stock C. Soupert, Mosella, Champion of the World, Etoile de Lyon, Hermosa and 50 other best bedding varieties, $3.00 per 100, $25.00 per 1000.

	Per 100
Crimson Rambler	$ 3.00
M. Niel	2.50
Strong 2 yr. old Field Grown Roses.	
Hybrid Perpetuals in variety	$10.00
Hardy Climbers in variety	8 00
Crimson Rambler, very strong	15.00
Wichuraiana	6.00
Wichuraiana Hybrids	8.00

Rhododendrons, extra fine stock well set with buds, 15 to 18-in., $7.00; 18 to 24-in., $9.00; and 24 to 30-in., $12 per dozen

Azalea Mollis, strong bushy plants, $35 per 100.

The Storrs & Harrison Co., Painesville, Ohio.

Please mention the American Florist when writing.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country.
Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

Please Mention American Florist.

PETUNIAS, DOUBLE FRINGED

A good collection of money-makers.
Strong plants from 2-in. pots, $2.00 per 100.

E. I. RAWLINGS, Quakertown, Pa.

COLEUS.

2½-in. fine, strong plants, ready to cut cuttings from; $1.50 per 100. Fine selected Rooted Cuttings, 80 cts. per 100.

C. WINTERICH, Defiance, O.

Washington.

DECORATIONS GIVE WAY TO FUNERAL WORK.— SOME HANDSOME DESIGNS. — SEEN IN THE WINDOWS.

Trade has been fair the past week. Funeral work is taking the place, to some extent, of reception decorations. Several of the retailers were quite busy Sunday and Monday on some large and fine pieces for the funeral of Harry P. Godwin, advertising manager of the Columbia Phonograph Company. The casket was covered with Bride roses and wreaths made by J. H. Small & Son. The American Rose Company made a large wreath five feet in diameter of Lilium longiflorum, Golden Gate roses and violets. They also made a large anchor.

The American Rose Company has shown some fine ixias, which have become so popular in London as the Transvaal flower.

Z. D. Blackstone made quite a show in his window this week with violets in pots and pans; they sell very readily.

P. G.

SOUTH FARMS, CONN.—Jas. E. Roberts died on the evening of March 26, aged 41 years.

RANTOUL, ILL.—George Little has purchased R. H. Thurbur's greenhouses and land at a valuation of $3,000.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y.

Chrysanthemums Rooted Cuttings

Yellow Queen, Mrs. Robinson, G. Kalb, Merry Monarch, Maj. Bonnaffon, Ivory, Lady Playfair, 75 cents per 100. BEGONIA Rex R. C., fine mixed, $1.50 per 100. AGERATUM dwarf or tall, 2-in. pots, $1.50 per 100. VINCA VAR., 2-in. pots, $1.50 per 100. Good clean stock at low prices for cash.

H. DANN & SON, Westfield, N. Y.

Now Ready--New Pink Chrysanthemum

MISS FLORENCE E. DENZER

Certificated by the C. S. A. Dec. 21st, 1899.

The latest Mum. Blooms for Christmas. See cut in Florists' Review of Dec. 21, 1899. Rooted Cuttings, $8 00 per 100; from 2¼-in. pots, $10 00 per 100

ANT. C. ZVOLANEK, Summit Av. & Angelique St. WEST HOBOKEN, N. J.

Liberty Orders received for April and May delivery.

All winter forcing Roses from 2½-in. pots.

WRITE FOR PRICES.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Send 50c or $1.00 For samples and prices of Roses, Brides, Maids, Perles, Kaiserins, Woottons, Golden Gate, La France, or Geraniums in 3 in. Pink, Red, White and Salmon.

GEO. A. KUHL, Pekin, Ill.

NEW ROSES ::::

GRUSS AN TEPLITZ, an exceedingly healthy, strong growing forcing rose, similar to Liberty, but a stronger grower.

MAD. RENE GERARD, the improved Mad. Capucine. Fine stock. Write for prices.

BOSTON FERN, strong 2½ in., $5.00 per 100.

THE CONARD & JONES CO, West Grove, Pa.

CHRYSANTHEMUMS From 2-inch Pots.

	Per 100		Per 100
Mrs. W. C. Egan	$3.00	Gloriosum	$3.00
Mrs. S. T. Murdock	3 00	Geo. S. Kalb	3.00
Ivory	3 00	Modesto	3 00
Mrs. H. Robinson	3 00	Mrs. H. Weeks	3.00
Black Hawk	3.00	Mrs J. Jones	3.00
Marion Henderson	3 00	Golden Wedding	4.00
Golden Wonder	3.00	Maud Dean	4 00
Viviand-Morel	3 00	Merry Christmas	4 00
Mme. F. Bergmann	3.00	Western King	4 00
Mrs. E. G. Hill	3.00	Philadelphia	4 00

Those ordering 250 plants may deduct 50 cents per 100 from the above prices.

Send us a list of your wants stating the number desired of each color and we will submit a selected list that will surely please.

For the Novelties of the Season and best of last year's introductions, see our advertisement in the last issue of this paper.

NATHAN SMITH & SON, ADRIAN, MICH.

New Chrysanthemums for 1900.

Bonita Beautiful deep orange, a bold, handsome flower with good stem and foliage. 50c each, $4.50 per doz., $30.00 per 100.

Eulalie The best anemone ever introduced for cut flowers, extra good stem and foliage. 60c each, $5.00 per doz., $35 per 100.

Luciole A combination of pink cerise and lavender, a grand exhibition variety. 50c each, $4.50 per doz., $25.00 per 100.

Souci Beautiful clear yellow, form and color of Modesto, but superior in every way. 50c each, $4.50 per doz., $30.00 per 100.

Winona White base veined with clear pink, a grand commercial variety. 50c each, $4.50 per doz., $30.00 per 100.

Also grand NEW SET OF EARLY POMPONES, 12 varieties, one of each for $2.25.

All the new varieties of other raisers at advertised rates.

JOHN N. MAY, Summit, N. J.

Please mention the American Florist when writing.

AMERICAN BEAUTIES

$3 per 100 $25 per 1000.

	Per 100	Per 1000
BRIDES	$1.50	$12.50
BRIDESMAIDS	1.50	12.50
METEORS	1.50	12.50

THESE are strong rooted cuttings; in fact we have never had so good success with rose cuttings as we are having this year. All stock is guaranteed, all orders are carefully filled and well packed.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO

WE HAVE OUR USUAL FINE STOCK OF

American Beauty Plants.

JOHN BURTON, Wyndmoor, Philadelphia, Pa.

Roses

Bride, Bridesmaid, Perle, Sunset, Golden Gate and Kaiserin.

HUNTSMAN & CO., Cincinnati.

Please mention the American Florist when writing.

Carnations. ROOTED CUTTINGS McGowan, 75c per 100; $6.00 per 1000. Scott, $1.00 per 100. Hill, Daybreak and Webb, $1.50 per 100.

VIOLETS, rooted runners, Louise and Campbell, 50c per 100. A. S. Chase, Cumberland Centre, Me.

Grafted Roses A No. 1 STOCK

ORDERS BOOKED NOW.

AM. BEAUTY, BRIDE, BRIDESMAID, CARNOT, GOLDEN GATE, KAISERIN, METEOR—2½-in. pots, $12 00 per 100; $90.00 per 1000.

S. J. REUTER, Westerly, R. I.

Please mention the American Florist when writing

THE BEST THE BEST

CARNATIONS

HARRISII

MARKET RATES

Maids Perles

Brides Meteors

E. C. AMLING,
32-34-36 Randolph St.,
CHICAGO.
WALTER S. HEFFRON, MANAGER.

MARKET RATES

BEAUTIES

VALLEY VIOLETS

Order Early Good Stock Scarce

ROSES

GRAFTED, WINTER BLOOMING.
Brides, Bridesmaid, Golden Gate.

GRAFTED, SUMMER BLOOMING.
Pink Soupert, Clothilde Soupert, Kaiserin Augusta Victoria, President Caruot.

OWN ROOTS.
Maman Cochet, white and pink, 2½-in. pots. Prices on any quantity.

H. P., low budded, in variety.....$10.00 per 100
Clothilde Soupert, dormaut..... 12.00 per 100

BOBBINK & ATKINS
RUTHERFORD, N. J.

BRIDES and MAIDS,
2½-in., ready for a 3-in. shift

CASH $3 00 a 100.
WITH ORDER. $25.00 a 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, O.

AMERICAN BEAUTY. A No. 1 stock.

	Per 100	Per 1000
2½-inch pots	$5.00	$45 00
BRIDES, 2½-inch	3.50	30.00
BRIDESMAIDS, 2½-inch	3.50	30.00
PERLES, 2½-inch	3.50	

CASH WITH ORDER.

JOHN MUNO, Rogers Park, Chicago.

American Florist Advts.
Reach all the Trade.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

Nanz & Neuner's New Seedling Rose WINNIE DAVIS.

UNDOUBTEDLY the finest pink rose introduced in many years, being a cross between Kaiserin Augusta Victoria and Belle Siebrecht. For forcing it cannot be excelled, and for outdoor growing it is one of the finest. Consult our Illustrated Catalogue for full description and price.

20th CENTURY JUBILEE EDITION Free to All

Our 120 Page 50th Anniversary Illustrated Catalogue of Plants, Roses, Bulbs, Vines, Shrubs, Fruit and Ornamental Trees, Seeds, etc., mailed free to all applicants. Offering for the first time our new sensation rose, Winnie Davis. 60 Greenhouses and 30 Acres.

Address NANZ & NEUNER, Louisville, Ky.

Address NANZ & NEUNER, Louisville, Ky.

Pittsburg.

Another week of Lent has passed with stock well cleared off and prices good for this time of the year. Roses are now in fine shape and quantities sufficient for the demand. Brides and Bridesmaids are best sellers among the teas. Meteor is harder to move. The present week opens with heavier supplies owing, no doubt, to a few warm sunny days. Of carnations the stock coming in is still short of the demand, especially in white, and prices are well maintained.

Good Easter trade is confidently predicted. Reports generally indicate a plentiful supply of flowers. Lilies, of course, are a prime factor, both cut and as pot plants, and most of those to come in will be longiflorums. There are some lots that will scarcely be ready even though Easter is late. G. O.

YORK, PA.—Chas. E. Smith has opened down town headquarters at 20 East Market street.

BANGOR, ME.—Carl Beers gave a carnation show at his winter garden March 28 to 31 and attracted many visitors.

DOYLESTOWN, PA.—Schmutz & Carver have dissolved partnership. George Carver will take a position with J. E. Andre.

CARNATIONS.

Strong, Well-Rooted Cuttings.

SELECT STOCK.

	Per 100	Per 1000
G. H. Crane	$6.00	$50 00
Morning Glory	6.00	50 00
Gen. Maceo	6.00	50 00
Glacier	6 00	50 00
America	5 00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40 00
White Cloud	4.00	30.00
Mary Wood	3.00	25.00
Mrs. F. Joost	3 00	25.00

And other standard sorts.

FIVE 1900 NOVELTIES.

	Per 100	Per 1000
Mrs. Thos. Lawson	$14.00	$120 00
Ethel Crocker	10.00	75.00
Marquis	10.00	75.00
Olympia	12 00	100.00
Genevieve Lord	10.00	75.00

Send for Descriptive Price List.

F. Dorner & Sons Co.,

LAFAYETTE, IND.

Please mention the American Florist when writing.

Perpetual Blooming HYBRID CARNATIONS

Crossings between Marguerite and Remontant.

They are what we can recommend as truly summer flowering varieties. They begin to bloom in the field in July and continue until frost sets in. Flowers medium size, growth very rapid. Can offer them in 10 varieties in as many colors, well established plants, at $5.00 per 100, by express, or the set of 10 varieties R. C. for 50c by mail.

ETHEL CROCKER, the best pink Carnation, well established plants from 2½-inch pots, $10 00 per 100. Rooted Cuttings, $8.00 per 100.

C. EISELE,

11th and Jefferson Sts., Philadelphia, Pa.

PERU

A New Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.00	$15.00
TRIUMPH	2.00	15.00
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1 25	10.00
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	.75	5.00
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

PLANTS FROM 2½-INCH POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
MAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	$3.00	$25.00
LA FRANCE	3.50	30.00
KAISERIN	4.00	35.00

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

60,000 WINTER FLOWERING ROSES

Grafted and on their Own Roots

SEND FOR PRICES. **J. L. DILLON, Bloomsburg, Pa.**

American Beauties

Now ready to send out, and the best lot of plants I ever grew. 2x3 inch rose pots, $6 per 100; $50 per 1000.

JOSEPH HEACOCK, Wyncote, Pa.

FOR SALE

2000 BRIDES and 2000 BRIDESMAIDS, in 2¼-inch pots, now ready. Price $3.00 per 100.

500 AMERICAN BEAUTIES, in 2½-inch pots ready about April 10. Price $4.00 per 100.

JOHN L. WYLAND, - - DeHaven, Pa.

ROOTED CUTTINGS

	Per 100	Per 1000
G. H. CRANE	$5.00	
AMERICA	3.00	$25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2 00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12 50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINIA	1.00	7.50
SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
METEOR	$1.50	$12.50
BRIDESMAID	1.50	12.50
BRIDE	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS.

FROM 2½-IN. POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
BRIDESMAID	3 00	25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All Plants and Cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG,
51 WABASH AVE., CHICAGO.

ETHEL CROCKER

Absolutely the finest pink carnation ever offered the trade. Crocker has been in full bloom every day since September 15th, is in full bloom today and as full of buds as many varieties that do not bloom until about this time.

It is a good, strong grower, and cuttings ordered now will bring you good results next winter. You will not have to wait, but can have them the day they are ordered.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

PANSIES. Freya and Fairy Queen, two good bedding novelties. Transplanted Seedlings at $1 00 per 100.

PETUNIA, Adonis, new dwarf bedder, extra fine. Two-inch pot plants at $2.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

Seen by New Firms:
AMERICAN FLORIST ADVTS.

Carnation Cuttings!

WRITE FOR SPECIAL DISCOUNTS AND LET US FIGURE ON YOUR WANTS.

	Cuttings. Per Doz.	Per 100	Per 1000.
Genevieve Lord, the peer of any light pink carnation offered	$2.00	$10.00	$75.00
Chicago, scarlet Bradt, from sand or soil	1.50	7.50	60.00
Mrs. Lawson, cerise pink	3.00	14.00	120.00
Olympia, variegated, extra strong, from soil	2.00	12 00	100.00
Ethel Crocker, pink, from soil	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Estelle		10.00	75.00

	Cuttings. Per 100	Per 1000
Frances Joost, pink, fm. sd. or soil	$2.50	$20.00
Mrs. Jas. Dean, pink, " "	2.50	20.00
John Young, white... " "	2.50	20.00
White Cloud, white.. " "	4.00	30.00
Mrs. Bradt, variegated " "	5.00	40.00
Gen. Maceo, crimson " "	6 00	50.00
Gen. Gomez, crimson " "	6.00	50.00
G. H. Crane, scarlet	6.00	50.00

	Cuttings. Per 100	Per 1000
Gold Nugget, yellow, fm. sd. or soil	$2.50	$20.00
Argyle, carmine " "	2.50	20.00
Jubilee, scarlet	2.00	15.00
Armazindy, variegated	2.00	15.00
Evelina, white	2.00	15.00
Wm. Scott, pink	2.00	15.00
Daybreak, light pink	2.00	15.00
Flora Hill, white	2.00	15.00

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

☞Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Clond	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00

	100	1000
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

GENEVIEVE LORD

The ideal pink carnation. Strictly speaking, a commercial variety, yet size and exhibition qualities are not lacking. The color is that happy shade called by the ladies "just right." Its stem is unequalled by any carnation. It is a prodigious grower and the most remarkable producer of high grade blooms we have ever grown. An easy, rapid grower; makes large plants from late cuttings. We can promise prompt delivery after April 10th. Stock for delivery prior to that date all sold. Cuttings positively free from rust and in other respects very hard to duplicate.

Price: Doz., $2; 100, $10; 1000, $75.

Our catatalogue is now ready, giving complete description of above, also all of the other big new ones at introducers' prices. Also comp ete list of standard varieties, all the best new and standard chrysanthemums. Catalogue sent for the asking.

H. WEBER & SONS,
OAKLAND, MD.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10 00
Ivory and Silver Spray	1 00	9 00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

THE BEST CARNATIONS.

	Per 100	Per 1000
White Cloud, the best white	$3.00	$25.00
Mrs. Joost, best clear pink	3.00	25.00
G. H. Crane, best new scarlet	6.00	50.00
Gen'l Maceo, best dark crimson	6.00	50.00
Mrs. Bradt, best variegated	4 00	35.00

12 Novelties of 1900. 27 the best Standard varieties. ☞Send for complete list.

GEO. HANCOCK & SON, Grand Haven, Mich.

St. Louis.

BUSINESS GOOD.—ROSES MORE PLENTIFUL BUT CARNATIONS CONTINUE SCARCE.—VARIOUS JOTTINGS.

The retail dealers all report good business the past week, with just about enough good stock to supply the demand. American Beauties are more plentiful and fancy stock can be had at from $3 to $4 per dozen or in larger quantities at $20 to $25 per hundred. Bride and Bridesmaid roses vary in prices according to quality, some extra fancy stock bringing as high as $8 per hundred, while lower grades go at anywhere from $2 to $6. There is no quotation on Meteors; they can be had at your own price. In large quantities $5 per 1,000 is considered a good figure. Carnations still hold their own, fancy varieties bringing $3 to $3.50 per hundred. Bulbous stock is a little scarce and brings good prices.

On account of Easter week the Florists' Club has postponed its meeting from April 12 to April 19.

It is reported that Luther Armstrong is quite ill at his residence in Kirkwood.

C. W. Wors, our old wholesale man, has opened a retail store at 509 O'Fallon street.

Joseph Rolker, of New York, is a visitor in town this week. J. M. H.

ROCK FALLS, ILL.—The greenhouse of Mrs. Charles Cochran was partially destroyed by fire on the morning of March 20.

SHERMAN, TEX.—The Texas Nursery and Floral Company has been incorporated with a capital of $10,000 by E. W. Kirkpatrick, H. C. Rollison and C. C. Mahen.

PANSIES ..THE.. JENNINGS STRAIN

FINE PLANTS. Many are curled and fringed, 60c per 100 by mail; $3.50 per 1000 by express. Large plants in bloom, ready April 1, $1.50 per 100. Seeds, $1.00 per package. Sample blooms sent to those wanting plants. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
GROWER OF THE FINEST PANSIES.

NEW MARGUERITE A Great Novelty for 1900.

A cross between the yellow and white, is a constant bloomer, flowers four to five inches in diameter; fine for cut flowers. will keep for two weeks after being cut. Center half yellow, outer half pure white. Makes a fine pot plant. Will send free by mail 12 plants for $1.25; 6 plants 75c. Order now if you want it.

S. LENTON, Long Beach, Cal.

5000 Ampelopsis Veitchii. Dormant, pot grown, long tops. 1 year old, $3 00 per 100; 2 year, $6 00 per 100. **Prepaid at 25c per 100 extra.** Clematis Paniculata, strong field plants, $1 per doz. $7 per 100. Cannas, dormant roots, strong; Chas. Henderson, Alphonse Bouvier, Florence Vaughan, Queen Charlotte, $3 00 per 100. **Alsace, White Canna, 5c.** Vinca Variegata, 2½ in. $3 per 100. Asparagus Sprengerii, 3½-in., fine, 8c. CASH please.

BENJ. CONNELL, Florist, WEST GROVE, PA.

BEGONIA INCARNATA An improved form of this valuable flowering plant for Christmas. Plants in 2-in. pots..$8.00 per 100

EDWIN LONSDALE, P. O. Address for the time being: **WYNDMOOR, Montgomery Co., PA.**

Money Order office same as heretofore, **Chestnut Hill (Sta. H.) Phila., Pa**

VIOLETS Now is the time to order Rooted Cuttings, A1 stock, free from disease; Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales.

Chrysanthemums Rooted Cuttings of Ivory, Maj. Bonnaffon, Bergmann, Robinson, Etc., at a bargain for 10 days only; $2 per 100, $15 per 1000. Write for catalogue.

CRABB & HUNTER, Grand Rapids, Mich.

LARGE MAPLES.

NORWAY MAPLES.

	Per 100
1½-1¾-in. cal., 10-14 feet	$35.00
1¾-2 " " 12-16 "	60.00
2-2¼ " " 14-18 "	90.00
2¼-2½ " " 16-19 "	110.00

SILVER MAPLES.

	Per 100
1¾-2 in. cal., 12-14 feet	$25.00
2-2¼ " " 14-18 "	35.00
2¼-2½ " " 15-18 "	50.00
2½-3 " " 16-20 "	75.00
3-3½ " " 18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops.
CAR LOTS. General nursery stock in large sizes a specialty. Field grown Herbaceous Plants.

ISAAC HICKS & SON, Westbury Station, Nassau County, New York.

Last Call FOR Carnations

10,000 ROOTED CUTTINGS Let us know your wants.
10,000 UNROOTED CUTTINGS As following:

	Per 100
2,000 G. H. Crane	$ 2.00
1,500 Mrs. G. Bradt	1.25
700 Gold Nugget	1.00
1,300 Mary Wood	1.50
400 White Cloud	1.00
1,000 Flora Hill	.50
1,600 America	1.50
1,000 Glacier	1.50
1,000 Melba	1.25
500 Yellow Baby Primrose in bloom, 2½-in.	5 00
500 De Roo Mitting Geranium (new) 2¼ "	5.00
1,000 Obconica in bloom 2½ "	2.50
1,000 " " " fine 5 "	8.00
1,000 Chinese 2¼ "	1.00
7,000 Named Geraniums, our sel 2¼ "	2.00
4,000 Double Petunias, mixed 2¼ "	2.00
2,000 Petunias, Giants of Cal., single, 2¼ "	2.00
3,000 Mme. Salleroi Geranium 2¼ "	1.50
30,000 Coleus, our selection only 2¼ "	1.50
10,000 Mixed Coleus 2¼ "	1.25
10,000 Large Pansy Plants, in bud	1.00
1,000 red and yellow Iresines	1.50
10,000 Alternanthera, red and large leaved	1.50
5,000 Forget-me-not 2½-in.	1.50
1,500 Lobelia, Crystal Palace Gem 2¼ "	1.50
1,000 California Moss 2¼ "	1.50
1,000 Mesembryanthemum erectum 2¼ "	1.50
2,000 Begonia Red Vernon, bedder 2¼ "	1.50
2,000 " Pink Erfordi, bedder, 2¼ "	1.50
2,000 " Sandersii, bedder 2¼ "	1.50
5,000 " our selection, named, 2¼ "	1.50
Write us for large Ferns 5 "	10.00

The Morris Floral Co., MORRIS, ILL.

New Ever-Blooming Geranium AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gloire de Lorraine.

Floriferousness Phenomenal
Strong plants, 50c each; $5.00 per doz.

MARS 2¼-inch pots, $5.00 per hundred.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden, Southey, etc., for $2.00. One **America free** with each set. Plants guaranteed A1 in every respect. CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa.

FLORISTS' ORCHIDS

.......The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

FORGET-ME-NOT, winter blooming, from flats, $1.50; 2¼-in. $2.00; 2½-in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100.

	Per 100
PARIS DAISY, white, R. C. $1.00; flats	$1.50
DOUBLE ALYSSUM. R. C. $1.00; flats	1.50
VARIEGATED VINCAS, from flats	1.50

All plants in flats strong and well established, ready for 2½ or 3-inch pots. Cash with order, please.

CHARLES S. DUTTON, 85 West 12th Street, HOLLAND, MICH.

American Florist Advertisements Pay Advertisers.

HOME GROWN PALMS

	Size Pots	Char. Leaves	High	Per doz.	Per 100
Kentia Belmoreana	3-in.			$3.00	$23.00
" "	4-in.			5.00	40.00
" "	5,	5-7	18-24,	$9-$12	$70-$90
" "	6,	7-8	20-25,	18	144
" "	7,	7-8	36-40.	30-36	240-290
Kentia Forsteriana,	3-in.			$2.50	$20
" "	4-in.			$5.00	$35
" "	5,	5-6	24-30,	$9-$12	$75-$95
"	6,	7-8	25-30,	18	144
"	7,	7-8	35-42,	28-30	225
" "	8-9	7-8	$3.00 to $4.00 each.		
Latania Borbonica,	2½-in.			.60	5.00
" "	3-in.			1.25	10.00
" "	4-in.			3.00	23.00
" "	5,	5-8	15-20,	5.00	40.00
" "	6,	6-8	16-24,	8.50	65.00
" "	7,	6-8	18-24,	12.00	90.00
" "	8,	7-8	28-34,	22.00	175.00
" "	9,	7-9	28-36,	34.00	272.00

Ficus Elastica, 5-inch, doz. $5.00; 6-in. $8.00 doz.
Livistona Rotundifolia, 7-in., 12-14 leaves, $2.50 to $3.00 each. **Pandanus Veitchii,** 4-in. to 14-in., 50c to $10 each. **Boston Ferns,** 5c to $2.00 each.
Cycas, Dracænas, Asparagus, etc., in large variety.

We have over 150,000 Tropical Plants. Terms cash, but inspection allowed at express office.

ALBERT FUCHS, 2059-73 N. Halsted St., CHICAGO.
ESTABLISHED 1884.

COLEUS

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in. pots, $1.25 100.
ACERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾-in. pots, $1.50 per 100.
CIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100.
HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot, $1 50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS $1.50 per 100; 2½-in pots, $2 50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.
VINCAS, $1.25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M Fine plants.
The above are rooted cuttings, except when noted.
CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

COLEUS.

Crimson Verschaffeltii, Golden Bedder and Golden Queen, 75c per 100; $6.00 per 1000. Coleus in variety, 60c per 100; $5 00 per 1000 Special price on large orders.

Ageratum, blue and white	$ 60	per 100
Ageratum Princess Pauline	.75	"
Giant Sweet Alyssum	.60	"
Heliotropes, 12 varieties	1.00	"
Heliotropes, 2 inch pots	2.00	"
Salvias Splendens and Bedman	1 00	"

Rooted cuttings except where noted. Plants by the 100 by mail prepaid. Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.

ROOTED CUTTINGS

Verbenas, 40 named varieties, 60c per 100, $5.00 per 1000 Petunias, 30 named dbl. var., $1 25 per 100. Heliotrope, 15 named varieties, $1.00 per 100. Coleus, 30 named varieties, 70c per 100, $6 00 per 1000. Ageratums, 3 var. with P. Pauline, 70c per 100 Alyssum, dbl., $1 per 100 Lantanas, 4 var., $1.25 per 100. Salvias, 3 var., $1 per 100. Begonias, from 2½-in. pots, $2.50 per 100, named vars. Chrysanthemums, R. C. $1 25 per 100, all named. Express prepaid on rooted cuttings.
CASH WITH ORDERS.

S. D. BRANT, Clay Center, Kansas.

ARAUCARIA EXCELSA,
2¼ inch pots, 2 to 3 tiers.......$16.00 per 100
3 " " 6 to 8 in., 3 tiers, $20.00 per 100

GREVILLEA ROBUSTA, 2-in. pots, 6 in. high $3.00 per 100.

ARECA LAPIDA, 2-in. pots....$4.00 per 100

F. LUDEMANN,
Pacific Nursery, San Francisco, Cal.

Tell them where you saw the ad.

--New--
Geranium **DEWEY**

A GRAND NOVELTY.
COLOR BRIGHT CRIMSON; DWARF, COMPACT GROWER,
PROFUSE BLOOMER, GOOD FOLIAGE, VERY ATTRACTIVE.

4-inch pots	35c each,	$3.50 per doz.	
3 " "	25c "	2.50 "	
2½ " "	15c "	1.50 "	

CARL RAUTH, Springfield, Ill.

NURSERYMEN Write for Sample and Price of.....

==Manetti==

FOR IMMEDIATE DELIVERY. FINE STOCK.

HARRY A. BUNYARD, 42 W. 28th St., New York City

Clematis Paniculata AND Ampelopsis Veitchii

	100	1000
Clematis Paniculata, field grown		
No. 1	$ 8 00	$70.00
No. 2	6.00	50.00
X size	10.00	80.00
Hydrangea P. G. 1 year		18.00
" " 2 to 3 feet	9.00	
" " 3 to 4 feet	12.00	
Virginia Creeper		45.00
Eulalia Gracilima, strong		15.00

	100	1000
Ampelopsis Veitchii, field grown.		
No. 1	$6.00	$50.00
No. 2	5.00	45.00
No. 3	4.00	35.00
X size	8.00	75.00
XX size	9.00	85.00
ROSES—Felicite Perpetu	5.00	
F a-cois Levet	6.00	
Box Tree, 6 to 12 inches		20.00

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

10,000 Common Double Pink Paeonies	per M.,	$20.00
5,000 Herbaceous Paeony Humeii	"	40.00
10,000 Hemerocallis Fulva	"	20.00
10,000 German Iris, Named Varieties	"	15.00

ELLIOTT NURSERIES, Diamond Market, Pittsburg, Pa.

SURPLUS STOCK.

1000 Alternanthera Paronychioides Major, red; 1000 yellow, from flats, struck last September. They are strong, healthy plants, 75c per hundred. Cash with order.

J. F. BROWN, Florist,
Lock Box 5. KNICHTSTOWN, IND.

HARDY PERENNIAL PHLOX IN VAR.

Field grown, per 100, $4.00.
Rudbeckia Golden Glow, pot plants, $3.00 per 100; field grown, $1.00 per 100, $8.00 per 1000.
Eulalia Zebrina and Japonica, have some good sized clumps of this. Price on application.
Arundo Donax Variegata, per doz., $1.50.
Will exchange for good Roses such as La France, Clothilde Soupert, and others.

C. G. NANZ, Owensboro, Ky.

THE AMERICAN FLORIST COMPANY'S

TRADE DIRECTORY

FOR 1900

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NEW FEATURES:

GARDENERS OR SUPERINTENDENTS OF PRIVATE ESTATES,
EXPERIMENT STATION HORTICULTURISTS,
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Helpful Reminders.

If, in going around the greenhouses, you find a few plants that have a scum of green over the surface of the soil, the plant looking as though it was growing smaller, you may know that the trouble at the top is that the soil is too compact and not porous enough. Tip the plant out of the pot, break off the top of the ball, set back in pot and fill up with fresh soil containing more sand.

Shake out your poinsettias this month, put them into smaller pots and start into leaf. Wait for cuttings until a nice new growth is formed; hard wood cuttings are not so desirable.

See that your geraniums are not so close together as to shade one another; else they will grow too tall and spindly.

For your summer and fall work you want plenty of grass-like foliage for arranging such flowers as gladioli, lilies and tritomas. The eulalias and Arundo Donax do very nicely and add fifty per cent to the value of such flowers. Now is the time to procure the clumps for outside planting.

Well grown campanulas, white, light blue and delicate pink, sold like "hot cakes" last summer and fall.

Go over your heating pipes now and mark plainly with chalk every leak or troublesome joint, so you will not overlook any in July when making summer repairs. C. B. W.

HOMER, N. Y.—J. J. Arnold has a fine stock for spring and reports trade good. Last year he added two carnation houses, 26x40 and 26x60, and this season he expects to double them and also put up a house for violets.

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PREPARED PALM MATERIAL

Florists can make their own **PREPARED PALMS.**

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COLUMBIA PLANT TUBS

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Sample, 40c in Stamps. Circular Free.

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"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

EASTER PLANTS

300 Asparagus Sprengerii 5-in. pots, full and beautiful, **$20 per 100**

500 Asparagus Sprengerii 4-in. pots, handsome plants, **$12 per 100**

400 Asparagus Plumosus Nanus 5-in. pots, have been kept pinched in, and are exceedingly full and handsome. **$20 per 100.**

300 Boston Fern 4-in. pots, good plants. **$10 per 100.**

300 Boston Fern 6-in. pots, superb plants, **$20 per 100**

500 Latania Borbonica 6-in. pots, 6 to 9 leaves, fine plants, **$60 per 100**

SHIPMENTS MADE PROMPTLY.

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VERBENA KING.

Verbenas, rooted cuttings, 60c per 100, $5 per 1000, $22 per 5000.

2-in. Verbenas, fine plants, $2.00 per 100, $18 00 per 1000.

AGERATUM, Lady Isabell and Cope's Pet, 60c per 100, $5 00 per 1000.

CARNATIONS. Per 100 Per 1000

Flora Hill	$1.50	$14.00
Morello	1.50	14.00
Mayor Pingree	1.50	14.00
Daybreak	1 50	14.00
McGowan	1.00	8.00
Wm. Scott	1 00	8.00

DAISIES, California and Yellow Castle, $1.00 per 100, $9.00 per 1000; 2-in., $2.00 per 100, $18.00 per 1000.

HELIOTROPE. 10 best var., $1.00 per 100, $8.00 per 1000; 2-in. fine plants, $2.00 per 100, $18.00 per 1000.

Express paid on all Rooted Cuttings, and satisfaction guaranteed for that Cash please.

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Universal Insecticide

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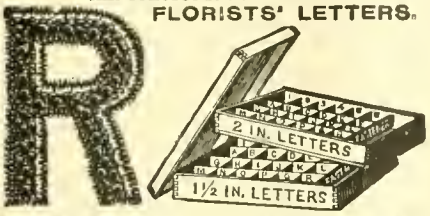

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ANY FLORAL DESIGN AT SHORT NOTICE.
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Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

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Cycas Leaves, Metal Designs,
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TIN FOIL
2 AND 4 DOMINICK STREET,
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Made for my own use and the use of other Florists who want a good article. Try a bag now and be convinced.....

$3 50 per 200-lb. bag, and $35.00 per ton.

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GEORGE RIPPERGER, SHEEP MANURE

I have now on hand a large quantity of A1 SHEEP MANURE. Send for Price List and Sample.
Best Fertilizer for Top Dressing.
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AN ILLUSTRATED ADVERTISING BOOKLET

Every retail florist should use it to boom his business. Write for a free sample to the

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208 Summer St. BOSTON, MASS.

M. RICE & CO.,

Importers and Manufacturers of **Florists' Supplies.**

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"NICOMITE"

(PATENT)
Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
ALL GREENHOUSE BUGS.
SOLD BY SEEDSMEN.
The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

RED TOWERS BRAND
BONE MEAL
FOR FLORISTS.

100 lb. bag.....$1.75 ½ ton.....$14.50
¼ ton.....$7.50 1 ton.....$28.00
F. O. B. Bridgeport, Conn.
—ALSO—
Odorless Lawn Dressing.
Terms, Cash with Order.
RED TOWERS GREENHOUSES,
HACKENSACK, N. J.

LIQUID PLANT FOOD
For Greenhouse Cultivating.
EASTERN CHEMICAL COMPANY,
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Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Moller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription $3.00 per annum, including postage. Sample copies free.

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PREPARED TROPICAL PALMS
—AND—
CYCAS LEAVES.
Send for Catalogue.

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This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address EDITORS OF THE "H. A."
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The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Nashville, Tenn.

The bright weather has caused an abundance of flowers and the windows are masses of bloom. Roses are coming in splendidly. Brides and Bridesmaid, Kaiserin, Meteor and other varieties are showing up well. One dealer has an abundance of splendid Beauties, but he complains that there is not the call that such good stock should cause. There are many violets and some fine carnations.

Prospects point to a fine Easter trade. Plants will be abundant and in great demand. The Easter lily crop will come in just in time, and will be good, though there is some complaint of the stalks being short this year.

The retail merchants are having their spring openings this week and all the decorative plants available are being used. The openings are also making sales for a large quantity of southern smilax and cut palm leaves. Trade is quite brisk.

Growers have already begun preparations for planting in the field and are busy preparing their gardens.

M. C. DORRIS.

SO. FRAMINGHAM, MASS.—Geo. F. Arnold, who for twelve years has been gardener at the women's prison, has resigned.

NEVADA, MO.—It is reported that S. A. Weltmer has purchased six acres of land west of town and will establish greenhouses there.

TARRYTOWN, N. Y.—The Tarrytown Horticultural Society held its monthly meeting on March 29. There were twenty-eight members present. Wallace Odell and John Walquist were elected to membership. Spiræa grandiflora was exhibited by Wm. Scott in splendid form Imantophyllum (clivia) miniatum, also a seedling from it, a shade lighter in color, both being well grown, were exhibited by Louis A. Martin. A very interesting paper on the culture of chrysanthemums, by James T. Scott, was read in his absence by his brother, Wm. Scott. It was well received and a lively and interesting discussion followed.

CANTON GARDEN PLOW

THREE SHOVELS AND RAKE ATTACHMENT.

WEIGHT, 20 POUNDS

A SURE SELLER

Thousands Are In Use

PARLIN & ORENDORFF CO.

Largest and oldest permanently established Plow Factory in America,

CANTON, - - - - - ILLINOIS.

Standard FLOWER Pots

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money

W. H. ERNEST,

28th and M Streets N. E. WASHINGTON, D. C

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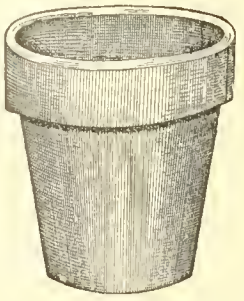
Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. CHICAGO.

◎◎◎ RED POTS



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FRESH TOBACCO STEMS, one cent per pound,

Put up in bales of two to three hundred pounds.

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Milwaukee, Wis.

WHILLDIN POTTERY CO.

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FACTORY. 713-719 WHARTON ST. PHILADELPHIA, PA.

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ALL KINDS.

STANDARD POTS A SPECIALTY

List and SAMPLES FREE.

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GEO. KELLER & SON,

MANUFACTURERS OF

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Before buying write for prices.

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CHICAGO. ILL.

Standard Flower Pots

1¾-inch, per 1000,	$2.40		3½-inch, per 1000,	$4.95	
2 -inch, "	2.75		4 -inch, "	6.20	
2½-inch, "	3.35		5 -inch, "	10.80	
3 -inch, "	4.70		6 -inch, "	16.50	

PACKAGES EXTRA.

G. HENNEGKE CO., MILWAUKEE, WIS.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

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HARRY BALSLEY, Sec. DETROIT, MICH., 490 HOWARD ST.

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Adjustable Vase Holders.

No. 1.—Brass, nickeled, 4 feet long, six clasps to each rod.

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(As per illustration), 4-inches long, ½-inch diameter, per 100, $3.50.

Both the above are indispensable to the decorator. In use and highly recommended by the principal retail stores. Send for illustrated circular.

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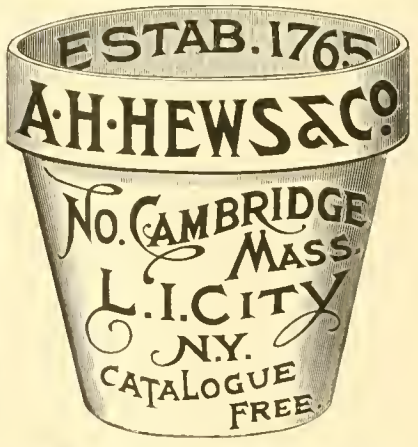

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	Price per crate			Price per crate
1500 2-in. pots in crate,	$4.88	120 7-in. pots in crate,		$4.20
1500 2¼ " "	5.25	60 8 " "		3.00
1500 2½ " "	6.00	48 9 " "		3.60
1000 3 " "	5.00	48 10 " "		4.80
800 3½ " "	5.80	24 11 " "		3.60
500 4 " "	4.50	24 12 " "		4.80
320 5 " "	4.51	12 14 " "		4.80
144 6 " "	3.16	6 16 " "		4.50

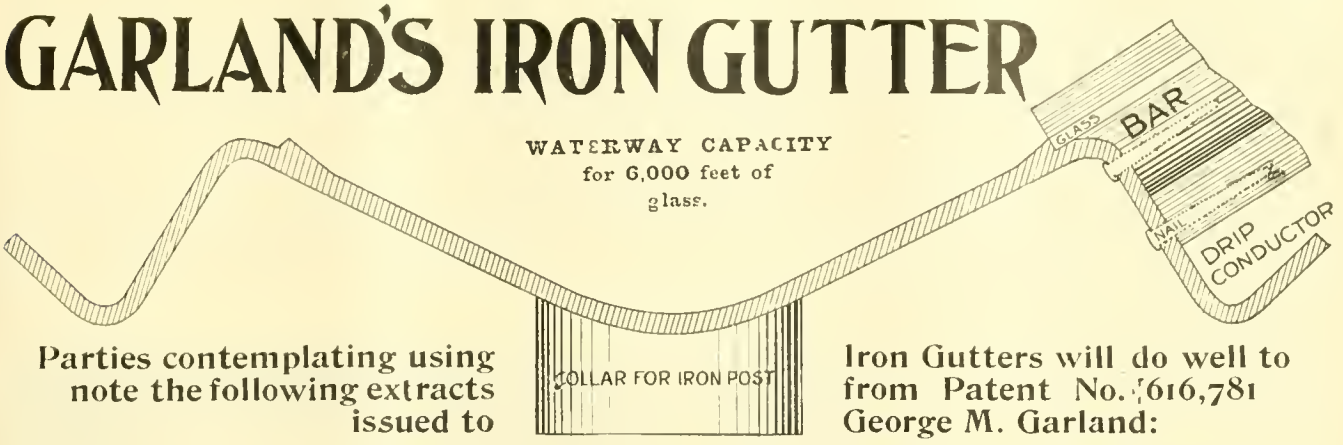
Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

HILFINGER BROS. POTTERY,

OR.... FORT EDWARD, N. Y.

AUGUST ROLKER & SONS, New York Agents 52 DEY STREET, NEW YORK CITY.

GARLAND'S IRON GUTTER



Parties contemplating using Iron Gutters will do well to note the following extracts from Patent No. 616,781 issued to George M. Garland:

The object of the invention is to provide a valley-gutter for greenhouses which will be so constructed as to combine a stop for the glass and a drip conductor.

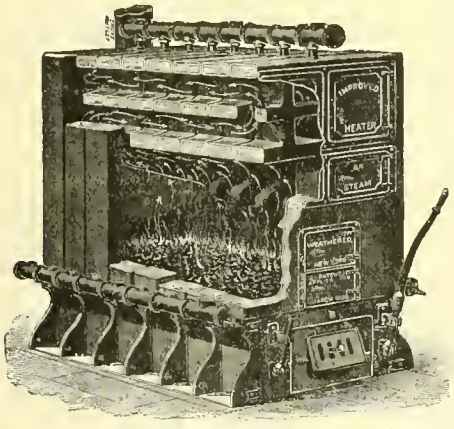
Another object of the invention is to so construct the gutter that the devices for fastening the gutter to supports will be below the weather-face of the gutter, thus avoiding perforations of the weather-face and consequent liability to leakage.

The nails, screws, or other fastening devices are passed through the drop flanges and into the lower ends of the roof-beams, so that these fastening devices for connecting the valley-gutter to the roof structure are below the weather-faces of the valley-gutter, and consequently the weather-faces of the valley-gutter need not be perforated, insuring against leakage.

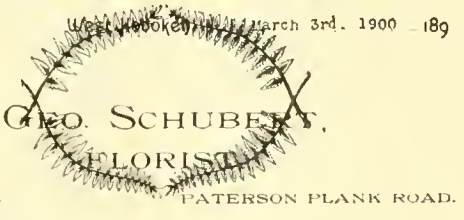
George M. Garland

GEO. M. GARLAND, = = Des Plaines, Ill.

THIS IS THE HEATER,



AND THIS IS WHAT THEY SAY OF IT.



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Gentlemen—I am highly gratified with the results I have obtained from your Sectional Boiler which you put in for me last October. Although you would only guarantee the six sections to heat 1620 feet of 4-in. pipe, I attached it to over 1,800 feet. It did it so well that I put on about 300 feet more, making in all 2 100 feet, and I am positive that I can add more to it. It is the best I have ever seen and a great coal saver. I have to keep the fire door open all the time.

I would be pleased to have anyone call and see it. Yours truly,

George Schubert

WE REFER to the following named parties who have lately purchased and are using our Sectional Boiler:

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Wm. G. Muller, Lyons Ave., Newark, N. J.
N. Y. Zoological Gardens.
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R. E. Shufelt, Chatham, N. Y.
A. E. Aldrett, Morrison, Ill.
J. W. Muller, Craighead, Pa.
John Scott, Flathush, Brooklyn, N. Y.
Keap St. Greenhouses, Brooklyn, N. Y.
Geo. Fick, West Hoboken, N. J.
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H. C. Patthey, Bayshore, N. Y.
Ditzenbarger Bros., Bay Ridge, N. Y.

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Send for Them.
THEY TELL ALL ABOUT GLASS

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FOR SALE CHEAP.
GLASS for Greenhouses, Conservatories, Hotbeds, etc. Also Hotbed Sashes and Mats, Paints, Oils, etc. THE REED GLASS & PAINT CO., 456 W. Broadway, NEW YORK.

American Florist Advts. Always Sell Stock.

THE KINNEY PUMP.
For applying liquid manure it has no equal. Sent prepaid for $2.50. Without spraying valve, $2.00.
The Hose Connection Co., Kingston, R. I.

Port Chester, N. Y.

The chief attraction at the meeting of the Westchester County Gardeners' Association, Saturday, March 24, was the excellent exhibition of roses and violets. James Patience, gardener to Mrs. W. Hoyt, Stamford, Conn., captured the first prize in each class for Beauties, Bridesmaids and Brides. These exhibits were probably the finest roses of their class ever seen in Port Chester. The size of bloom, perfection of foliage and rigidity of stem all showed the grower to be a master of the art. They were all from budded stock in which Mr. Patience is a strong believer. Other exhibitors of roses were John Shore, Robert Williamson and Wm. Anderson. Jas. Wilson and Wm. Anderson were first for double and single violets, respectively. Robt. Allan exhibited some excellent tomatoes of the variety Sutton's Best of All.

JOHN W. DUNCAN.

BLOOMINGTON, ILL.—The gardeners of this vicinity have organized the Bloomington Market Gardeners' and Fruit Growers' Association with H. H. Rodman, of Summit Cottage Garden and Greenhouses, as president.

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Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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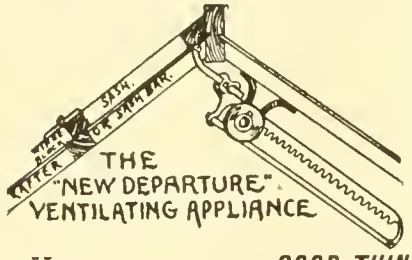
LOCKLAND, OHIO.



You can not get a *GOOD THING* for nothing. But the price of this apparatus is next to nothing. Send for price and description to

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HOTBED, GREENHOUSE, VENTILATOR SASH

GULF CYPRESS BARS.

GREENHOUSE MATERIAL

Manufactured by

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GLASS AT WHOLESALE. Catalogue and Estimates Furnished

Life is too short to be eternally rebuilding.
It's not only expensive but tiresome.
You can use your time and money to better advantage.
Build right. Use Cypress.
The right kind of Cypress.
The open-air dried Cypress.
The Cypress that we select with the greatest care for our Greenhouse Material.
We can supply any kind of Greenhouse Material of the right kind of Cypress.
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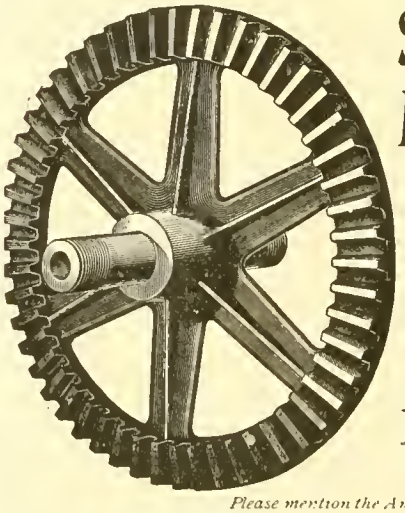

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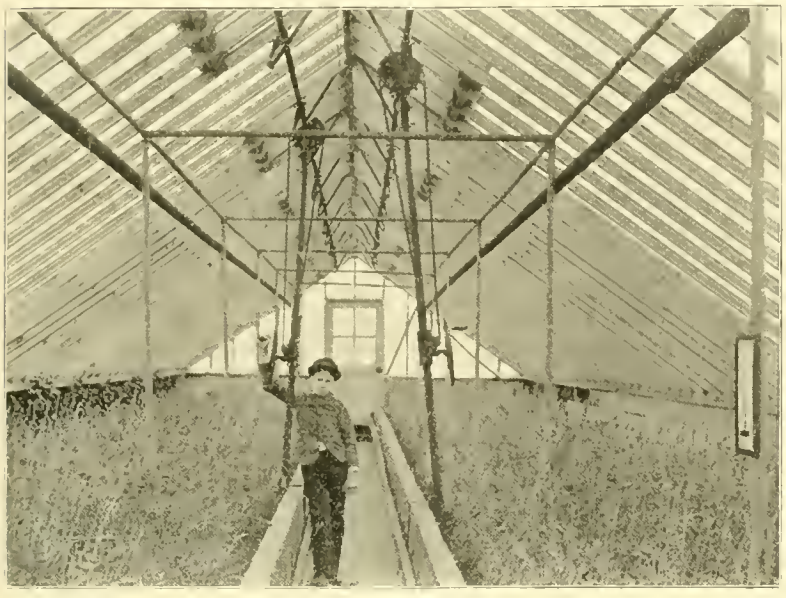

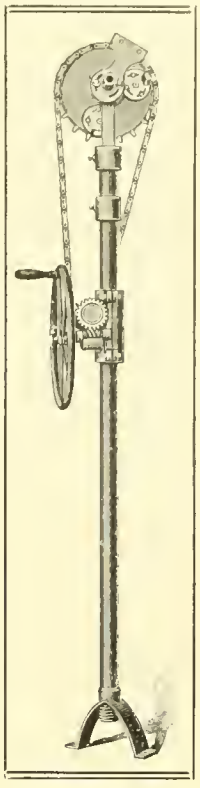

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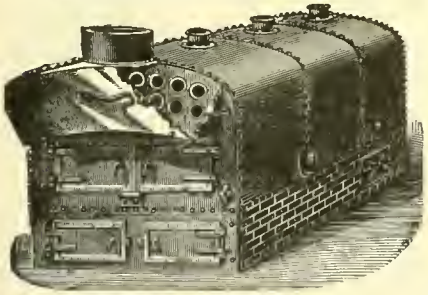

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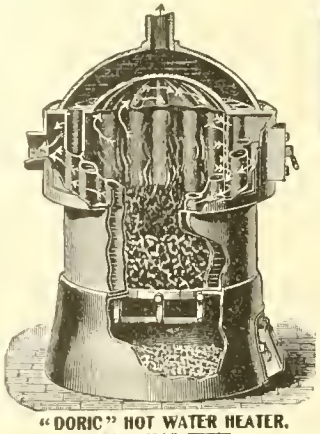

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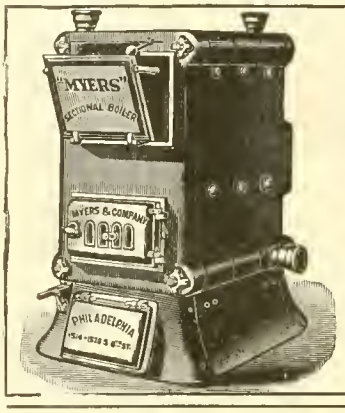

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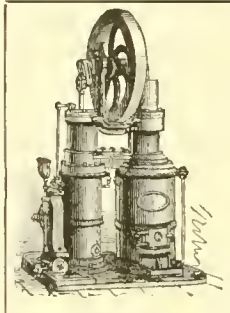

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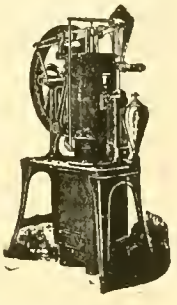

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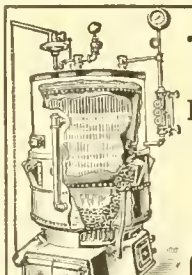

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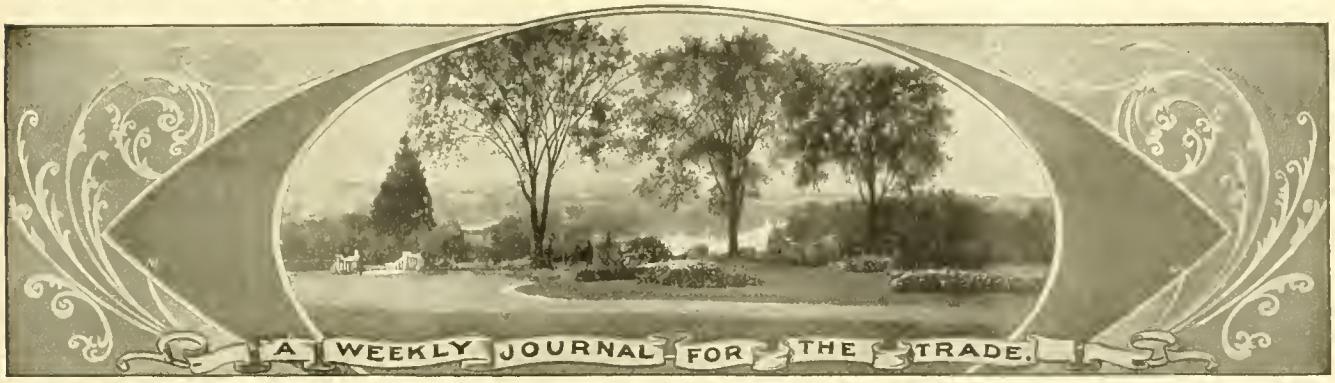

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How to Improve Present Methods of Landscape Gardening.

[Read by J. Franklin Meehan at the Farmers' Institute, Horticultural Hall, Philadelphia, February 24, 1900.]

Landscape gardening in this country is yet largely in its infancy, and just as the human infant is taught to acquire its knowledge, step by step, so must the people be taught, step by step, the fundamental principles of the question involved. To appreciate any profession and improve thereon, we must first learn the foundation on which it is built, for if familiarity with the foundation is lacking, the building of the necessary knowledge is at least faulty and laborious.

To treat our subject properly, let us, therefore, get at the basis of landscape gardening, considering the following questions: What is landscape gardening? What is its object? How can we appropriate it to our pleasure? How can we improve upon the present methods? and what are these methods?

Landscape gardening is an art, not necessarily a study only. I care little how much a person may know about trees and flowers, their growth, foliage and habits, if he has not the appreciation for a purely natural piece of landscape, nor the feeling and instinct to construct similar effects, he can never hope to be successful in the higher art of landscape gardening. Do not understand me to say that study and knowledge of the character of plants are not necessary, far from it, for without this knowledge the construction of a pretty landscape would be impossible, as one of the most important things is that we must picture in our minds what the effect will be, not this year or the next, but when the trees shall have eventually come to maturity. This would, of necessity, be impossible without a thorough knowledge of every plant and tree used.

It cannot be too strongly emphasized that landscape gardening is an art, and, like all other arts, a talent which must be exercised, not buried, to be brought to its highest state of perfection.

What is the object of landscape gardening? You may infer from what has been said that it may be practiced only in the country, where unlimited space abounds; therefore, what can it mean to those who may be within the limits of a large city or who simply own an acre or two?

In these days of progression, man stops at nothing. He has caged the lightning of the clouds and brought it to our cities for light and transportation. Even the mighty Niagara has been bridled to men's wants. So in landscape work we must try to bring nature's beauty right to our homes and cities. Of course, not in its entirety, any more than we could bring the waters of Niagara actually to our doors; but we must bring its powers, its summer combinations of color in foliage effect, and its berried effects of fall, not forgetting the warm and bright winter appearance of the various colored barks of many trees and shrubs. Take these powers and use them to relieve the monotony of bricks and mortar. In other words, let landscape gardening mean the reproduction of nature's work wherever possible.

As we proceed with the next thought—How shall we appropriate the beauties of landscape to our pleasure and comfort?—the subject begins to take on a more active form. If we take a stroll along the lovely drives and walks of our famous Fairmount Park, and especially by the Wissahickon, we can get no more forcible illustration of this thought.

I doubt very much if, before the land for this park was taken, there were more than a few hundred persons in Philadelphia who really supposed there was at command such a wealth of nature's most costly gifts. But the land was condemned, and in course of time roads laid and paths made to interesting points, and thus were opened to thousands the opportunity for examining the beauties of nature.

We may say, therefore, that the practical way to gain appreciation of the beauties of nature is to open up the natural gems so that they may be approached with comfort and please the eye.

We now come to the more serious part of the subject, the present methods and their improvement. As stated, landscape gardening in this country is yet in its infancy, and we must therefore be prepared to excuse, though not overlook, the present methods, or, speaking from a purely scientific or artistic standpoint, the lack of method.

Perhaps landscape gardeners generally may not agree on this point fully, but nevertheless my experience has shown it to be a fact. Of course, there are exceptions, and happy ones, too; but, as a rule, when there is anything to be done in the line of landscape work, there is absolutely no method in the undertaking.

Take for example, you who claim appreciation for a beautiful landscape or snatches of nature, when you bought land for your farm, did it occur to you to locate your house in such a way as to make the surroundings add to the beauty

of the house? Did you so locate it that from your windows you could look down over yonder meadow just beyond that white oak, whose massive horizontal limbs stand out like individual trees, to that lazy stream where the cattle enjoy the cool of the waters and the shade from the trees by the water-side? Did you use the same care that you did when you considered the housing of the cattle, the land which you would put in wheat or that which you would clear for timber or fencing?

Take another illustration: A gentleman purchases ten acres to build a country home, a place where he may rest from the toil and tumult of city life and business. When he is contemplating the building of his house he has some idea of the style and character of the structure he intends to erect, so he instructs his architect to rough out plans on the line of his suggestions.

The architect, with due consideration and study, works these suggestions into such form that they will agree with one another to give convenience, comfort and beauty, and his sketches, with possibly some minor alterations, are adopted. Now mark the continuation of the method. Bids are requested and after healthy competition the work is awarded and the building begun. Let us suppose that in the course of construction the owner suggests some alterations that will materially interfere with the architectural beauty of the whole structure. Is it likely to be done? I venture to say no! The architect explains the results of such work as his experience foretells it, and the suggestions are most likely dropped. Now here we have a man who, having mastered his profession, apparently, is practically in authority, and his work is carried out according to well-laid plans—methodically.

What of the landscape work? What method here? As remarked, there are exceptions, but as a rule there is a confusion of ideas, including perhaps those of the owner, his friends, the gardener, the grader and the one supplying or planting the trees. Each may have good ideas regarding the parts of the landscape work with which he has to deal, and could possibly outline the whole to some degree, but it is hardly possible that each may have his ideas carried out, and yet make an harmonious landscape.

The roads and grading have a direct bearing on the rest of the grounds, yet ideas at variance may lead a road up to the residence with a startling directness, instead of gracefully and easily approaching by natural lines or curves. And the contours of the grading, will they appear as in beautiful nature, or as a bare, level plain, or in the other extreme like the fortifications of a battle field?

In planting, will there be any consideration to leave a long, open vista to that large and grand old apple tree down on the hillside, or to that pretty little pond with the willows dipping gracefully in the water? Then again, from the front of the place, looking toward the house, will there be appreciation of the possibilities of a long vista over the green lawn, with the limbs of that massive oak throwing shadows in the sun and inviting you to stroll over to that pretty summer house, whose roof may be seen peeping over the tops of the beech trees? Will there be method in considering these questions, a definite idea or harmonious collection of them from first to last?

Unless one has a great deal of leisure at command, the thought necessary for the details cannot be given, any more than the details of a house could be worked out. A man has a point of law, he takes it to his lawyer; when he desires medical advice he goes to a physician; when he is ready to build a house he seeks his architect; and so also when he purchases his land, he desires to lay it out properly and secures a landscape gardener. In each case, the ideas or advice should be carried to completion. The work of the architect and the work of the landscape gardener being similar, in that the work should fully accord, it is well that they should go over the land together to select a possible site for a house, the architect with a view to architectural beauty and the landscape gardener with a view to landscape effect, that the results of both may fully accord with the natural surroundings.

The site being selected and the plans of the house fully accepted, the landscape gardener turns his attention to the most natural way to secure access to the surrounding thoroughfares and conveniences of travel. Straight lines will be the

ALEXANDER KLOKNER.

shortest distances to these points, but will a straight road, in this particular case, make an easy approach? Will it accord with the architecture or will it necessitate an enormous amount of grading? Perhaps it will cut up the entire lawn in such a way that it will be impossible to make any other effect than a stiff, geometrical network of straight lines.

With limited time, it is impossible to point out but a very few suggestions that must be considered. While some reasons may exist for a curved road, such as an easy grade or the avoidance of some particular large tree, it may be just as far wrong as the straight one. At times it is even correct to make a curve without an immediate apparent reason, such as the directing of the eye to some particular view in the distance. It is here that the landscape gardener must make an excuse for the curve. Here in this spot is the place for some mass effect of foliage or flowering plants, or possibly a collection of some specimen and rare evergreens, as his fancy suggests.

The roadways being laid out, he turns his attention to such paths as may be necessary for convenience. Here again his art is called into play. Unsightly buildings, places of domestic work, etc, are to be screened. Effects are here to be constructed that will in a measure, turn these paths of necessity into pleasant and cheerful walks. At other times it is advisable to arrange walks other than those of convenience, to points of particular interest, the croquet and tennis courts and points looking out to views of interest and beauty off the ground, or possibly to a secluded spot where a summer house may be erected. But in such cases it is usually unwise to have other paths than the natural turf, as it is apparent that in bad weather there is no necessity or desire to reach these spots, and in favorable weather there will be no necessity for artificial walks.

In the planting and location of trees, he must naturally be guided by the character and location of the land under consideration. Here a knowledge of the nature, growth and habit of the tree is absolutely necessary. Few trees that grow naturally in a low, moist situation will grow well on high and dry land and the same may be said of those that grow on high lands, that they will not thrive in very wet situations, though even to this rule there are many exceptions. Trees of low growth and habit are not to be planted back of others that at maturity will be much larger, even though they are of the same size when planted.

In planting, the points of view, vistas, lawn surface and specimen trees must receive deep consideration to secure desirable effects. All these things are details, making up one harmonious subject. Is not method essential?

Passing rapidly over the planting, let us suppose that the original work is finished. The system does not end here. The ideas must be maintained. A practical man is secured to keep the roads in order, dead wood trimmed from the planting and to note and replace any tree or shrub that may have died. A new road after construction is not necessarily or usually perfect. No matter how well it may have been made, regular attention is necessary. A few loose stones here and there will eventually result in a bad spot in the road, unless it receives immediate attention. It must be kept well shaped and well rolled, and eventually the labor expended will be repaid by a good hard and clean driveway.

In the planting of trees it has been found necessary to prune them to a greater or less degree. And after they have made new growth, all the dead spurs and weak wood should be again pruned away. This care will frequently save the life of a tree that is somewhat backward, and is beneficial by lessening the demand on the roots, which have not yet recovered from the transplanting. And here it may be well to call your attention to the struggle a tree must make after transplanting. It may be well compared to an operation upon a human being. If it becomes necessary to amputate a person's arm, no matter how well and strong the person may be, the operation is attended with great danger. So with a tree, it is really an operation, removing temporarily the sustaining power.

It is reasonable to suppose that some of the stock will die, and as each tree and shrub was planted for some particular use or effect, care must be taken to have them replaced with exactly the same as those used at first, so that the trees will eventually work out the picture that was

LEICHENIA DICHOTOMA AS EXHIBITED AT THE SPRING SHOWOF THE PENNSYLVANIA HORTICULTURAL SOCIETY BY THOS. LONG GARDENER TO G. W. CHILDS DREXEL.

in the mind of the landscape gardener when he first planned the place.

There is great room for improvement in the planting along the city streets, and a practical knowledge of trees with a definite plan is of equally great importance, yet it is rarely met with. Trees are planted promiscuously, two or three here and several there, while a combined effort of property owners would bring beautiful, shaded streets, with trees of uniform or harmonious growth.

The choice of trees is important, as may be seen by the ill effects of the surface-rooting silver maple which usually, in course of time, raises the pavements; or by the short-lived poplar, the rapid growth of which tempts the tree pruner to offer his services year after year whether needed or not. And the pruning, such as it is, is nearly always open to criticism. The limbs are frequently improperly sawn away, leaving short stumps which decay and finally weaken and destroy the whole tree. Tall growing trees are planted on the sunny side of shorter ones, making one side of the latter weak and sickly. Many are left unguarded and have their bark stripped by horses. This, however, might not result fatally were the trees afterward cared for, the wounds regularly painted until healed over.

It is a grievous thing to have a weakness, but it is a blessing to know of that weakness so that we may profit by past experience and make such improvement as may lie in our power. Therefore, I repeat that with a few exceptions, which only prove the rule, we seldom see any positive method in our landscape work.

It may possibly appear that this discourse does not fully answer the question suggested by its title, but my endeavor has been to show that landscape work of all kinds must be put on a firm basis first of all, upon which everything will naturally develop by study and artistic instinct.

The tardy improvements in what are called "present methods" are solely due to the lack of system and broad conceptions, coupled with the absence of artistic instinct. When these obstacles are removed, landscape gardening will surely reach as high a plane in this country as in any other.

Alexander Klokner.

For some time it has been a practical certainty that Alexander Klokner would be the next superintendent of the Milwaukee park system and the appointment has now gone on record, with the result that Mr. Klokner will at once assume his manifold duties. The system is quite large, embracing many scattered areas, and while the road building and tree planting has been carried on after the general method adopted by Mr. Pettigrew about four years ago, the commissioners have performed various horticultural gymnastics in their attempt at floricultural embellishments. The amount of time and money wasted by unskilled advice and direction has been widely deplored and herein lies Mr. Klokner's opportunity to show his ability, which is unquestioned. He is in the prime of life and equipped with a thorough knowledge of his subject. He has had a wide experience, beginning in 1879, when he was connected with Count Cyrsky's gardens in Hungary. From 1882 to 1883 he was in the gardens of Count Karoly and was afterward foreman at the City Park of Budapest. In 1886 he became a graduate of the Botanical Gardens of Budapest. Subsequently he was employed at Vienna, was head gardener of the city parks of Zombor, Hungary, served in his profession at Erfurt and London and landed in New York in the autumn of 1889. He has built up a nice business at Milwaukee, but will sell the greenhouses, only retaining the retail store at 438 Milwaukee street. The salary of the superintendent of parks is $1,500 per annum. C. B. W.

Gleichenia Dichotoma.

The beautiful specimen herewith illustrated was grown by Thos. Long, gardener to G. W. Childs Drexel, of Philadelphia, and was awarded a prize at the recent spring show of the Pennsylvania Horticultural Society. It is a plant over six feet in diameter, perfect in every respect, and a great credit to Mr. Long's ability as a grower. K.

NEENAH, WIS.—Wm. Z. Stuart has leased his greenhouse property to A. E. Rhodes, who takes possession May 1.

NEW CASTLE, IND.—The South Park Floral Company has got down to the business of building on its new range and is making good progress.

Crimson Ramblers in Three-inch Pots.

The little plants, an illustration of one of which appears herewith, were grown by Jackson Dawson, who has kindly furnished us with notes giving the very simple process followed. They are splice grafts of two and three-eye cuttings on multiflora roots. The grafting was done on January 4, 1900. The plants were then tied in bundles with damp moss and laid in a frame for one week until callused, then potted in 3-inch pots, put in the greenhouse and given ordinary care without any stimulant whatever. On March 20, about ten weeks after grafting, they were in full bloom. There is surely a valuable hint in this for the commercial florist. Such little gems as that pictured herewith could be sold by tens of thousands in the large cities, and they do not demand steel frame houses, 16x24 glass, or any of the other features of the "modern house." Mr. Dawson prefers the multiflora to Manetti because it is a more active stock; it unites quickly with the graft and responds more readily throughout.

CARNATIONS.

CARNATIONS REGISTERED.

By Richard Witterstaetter, Cincinnati, Ohio —Estelle, bright scarlet, never coming off color; fragrant; form excellent; stem strong and stiff, short first after lifting but reaching twelve to sixteen inches by December; size three to three and one-half inches; in habit exactly the same as Portia, a continuous bloomer.

By Henry A. Molatsch, Brooklyn, N. Y.—Mrs. Bird S. Coler, a healthy, strong grower and continuous bloomer; has a very stiff stem; does not burst; is not subject to stem rot; color about the same as Portia; size two and one-half to three inches; height thirty inches.

ALBERT M. HERR, Sec'y.

PREPARATIONS FOR PLANTING OUT.

With Easter coming the middle of April and such unsettled weather as we had through the month of March, the planting out of carnations has no doubt been left by most growers for the third week in April. It is hardly possible to name an exact date for planting outside, as it is largely a matter of the weather and growers can best judge for themselves.

With the new style of growing carnations, bringing them in from the field between July 15 and August 15, their period of outdoor growth is too short to permit of any risk of check by late frosts. They will want as much of the good growing weather that we usually get in April as it is possible to give them without running the chance of a heavy frosting, and it is to be hoped that April 19 will be late enough in the month to avoid this danger.

Presuming that you are not going to plant out until after Easter, there has been a good opportunity to acclimate your young plants to cool weather by leaving the ventilation on them both day and night. This can be carried to the extreme of 32° if only for a brief while, for a healthy plant with sufficient water at its roots will not freeze at 32° unless kept there for some length of time.

This hardening off process could, of course, only be attempted where the young plants were in a separate house from the blooming stock, as just the opposite treatment is wanted for the flowering plants the week before Easter. Where the young plants were in with the forcing stock it has paid many growers to move them into a separate house or, if this was not available, to put them out into cold frames. This may seem like considerable labor for a few days treatment but it will be labor well expended.

If young plants are moved into frames the glass should be kept on them for a few days, even if the weather is warm, but give them plenty of ventilation right from the start, at the same time avoiding a strong wind blowing over them. This latter is especially injurious to plants brought from the houses, as the plants in the somewhat confined and moist air of the houses have the little stomata or breathing cells in the leaves in a lively and active condition and a strong wind blowing over them causes such a rapid evaporation and structural change in these

CRIMSON RAMBLER IN 3-INCH POT.

cells as sometimes to be a great injury to the plant. For the same reason planting into the field direct from the houses should never be done on a windy day unless the wind happens to be from the east and laden with moisture.

With a little care in the ventilation, the plants in the frames can be inured to the action of the air and sun so that the glass can be taken off about the third day they are out and left off both day and night, excepting if there is danger of a heavy frost, and even then unless the frost threatens to be an actual freeze there can be plenty of ventilation left on the frames.

One is very apt to have overlooked some of these little points in the rush of work right before Easter, but it is the attention to the little details of carnation culture that brings success.

ALBERT M. HERR.

PLANTING IN THE FIELD.

Planting is so much a matter of land and weather conditions, that few rules can be laid down regarding it, and it is such a familiar subject that little which is new can be said of it, but some old facts may interest some of the new growers. Early planting usually produces the best results as the plants get well started and established before dry, hot weather strikes them. In my locality early planting means planting this week unless there is a decided change in the weather.

Those who have land in abundance should select a plot as level as possible and one that has been to grass for the past year or two. Grass land is practically new land and new land, like new houses, nearly always gives the best results, both in the size and the health of the plants produced on it. Plowing should be done as soon as the ground is dry enough to get into it. Have the soil harrowed deeply and go over it until it is in good condition at least as deep as the plants will be set; this may mean going over it twice in some soils and in others as many as a dozen times.

Unless the soil is very fertile it will want a good coat of stable manure and a light coat of lime. If the manure is fresh it should be put on before plowing, but if it is well rotted, it and the lime can be put on after plowing and before harrowing so as to get them well mixed in the soil and not too deep for the use of the roots, as it is not good policy to encourage your plants to send their roots too far into the ground, as half of them may be lost in taking them up for moving into the houses. Where the manure is turned down with the plowing it might be good management to not plow any deeper than seven to eight inches.

I am always an advocate of stable manure for outdoor and most of the indoor culture. Phosphates and chemical fertilizers are all right sometimes, and with some people handling them, but stable manures are all right all the time. Lime is also nearly always right for carnations and there are but few soils that are not benefited by using it.

After harrowing the plot well, go through it with a shovel plow and throw up ridges for your planting rows as far apart as your allowance of space will permit. This should be done in conjunction with the plowing and harrowing so as to have the soil in these ridges good and damp. When you are ready to plant, which may be the same day or in the next week, all you have to do is to take a rake and level these ridges down to within an inch or two of the level of the field and you have nice, moist, loose soil to plant in. If one man goes ahead with the rake and another follows dropping plants and a third planting and all of this is done carefully there is little or no danger of your young plants getting any check or not starting nicely.

The distance between the rows is a matter of choice and a matter of space. Where the grower has plenty of ground, thirty inches is none too much, for then they can be worked with a horse and harrow and, for some reason for which I cannot account, stock worked with a horse and harrow makes better plants than those that are planted fifteen inches apart and hand worked all the way through. Some argue that the amount

DRIVE IN THE BOIS DE BOULOGNE, PARIS.

of space required for planting so as to work with a horse takes so much extra manure and so much extra labor that it does not pay, but if you have the land to practice this method, try it and you will find that both the extra manure and the extra labor are well paid for in the improved quality of the plants produced.

There are many growers who do not have the land to select a specially favored plot for their carnations, and have to use what is available. The best thing to do in such a case is to use a plot that had not been planted to carnations the summer previous and thus alternate crops as much as possible. Soil that has been continually cultivated is usually pretty well filled with vegetable humus and in such cases it will be best not to apply any manure and instead give it a good coat of lime, which will help to sweeten the soil and to some extent prevent the attacks of stem rot, which often come in such soils. Where room is much of an object it is good policy to throw up beds that will hold four plants across. This can be done by the use of the shovel plow for making the paths between the beds and if the paths are run deeply the top soil from the bed can be raked off into them when you come to plant and thus get the benefit of the moist soil underneath in which to plant almost as well as in the ridges previously mentioned.

The planting itself should be given to the men on the place who will do it carefully and conscientiously, as both good plants and good preparation can all be made of no use by careless planting. Using a pot plant as an example, they should be planted as nearly as possible so that about one half inch of soil is covered over the top of the pot and this well pressed or tramped down so that a slight case of drought would not reach the pot and dry it out, as is sometimes the case if carelessly planted. If the plant happens to be branched right down to the top of the pot this young growth is not to be covered up; rather run the chances and plant even with the pot than to bury the plant and get stem rot into the field.

There is no secret in the preparation of the young plants; they should be as wet at the roots as it is possible to make them before planting so as to moisten the soil all around them by capillary attraction when they are planted and thus make a congenial soil in which to form young working roots right from the day they are planted. Do not plant when a high wind is blowing, as the rapid evaporation of moisture from the plants caused by high winds is very injurious. We pay little attention to the weather beyond avoiding a windy day, but where there are only a few thousand to be planted, a cloudy day right before a rain storm may be expected is worth waiting for if it does not carry one too late in the month for planting.

ALBERT M. HERR.

Paris.

BAD WINTER WEATHER IN FRANCE —NURSERY STOCK AND WHEAT SUFFER SEVERELY.—SEED CROPS DAMAGED — WHOLESALE SEED TRADE GOOD, RETAIL SLOW —EXPOSITION NOTES.—FLOWERS AND PLANTS IN SEASON.

We have just passed through the most changeable winter which can be imagined. At certain dates of the last three months the thermometer readings were higher than seasonable and gave promise of an early spring. The succeeding days, however, would bring cold waves, with their consequences, followed again by spells of milder weather. We have had in Paris more than our share of the gloomy, wet days which tell so badly on weak lungs. But human nature has not had to suffer alone. Our early fruits, such as almonds, peaches, etc., are lost in many districts of central and southern France, and around Paris the trees are not in much better condition. A fortnight ago we had some bright, sunny days, which induced the early fruit trees to take on their white garb and to-day the snow vies with the flowers in whiteness. The frost of December made sad havoc in the nurseries of Angers and Ussy, especially with stock intended for the United States. Great difficulty, it is feared, will be again experienced in filling American orders.

Agriculture, too, lost heavily. The hard frost of the middle of December, when the thermometer read 0° Fahr. killed from one-third to three-fourths of the wheat sown in northern France. The early sowings, made before the middle of October, pulled through without much harm. The sowings effected between the latter date and the end of November were more or less injured, particularly on wet soils, where frost and thaw alternated and in which the roots of the plants were caught between two ices, as we say here. The wheat sown after All Saints day (November 1) had not yet appeared when the hard frost came and has thus been saved. Last winter corroborates again Mr. Vilmorin's experience, which tends to show that our winter wheats ought to be sown during the first fortnight of October, and that in case the

work can not be done during that month it will be safer to deter it until February and sow spring wheats. It further illustrates the fact that the highly improved wheats are less hardy than the old, less productive varieties. It would therefore appear to be economical on the part of the growers to select the older kinds for cold districts.

What interests the seed growers and the seedsmen most at the present date is to know how the roots have withstood the winter. It is obvious that a great many of the carrots, beets, mangels, etc., which have not been sufficiently protected against the abnormal frost may be considered as lost. The roots which have been kept in silos seem to have suffered less than was apprehended and the fears which at one time were expressed regarding them may not be substantiated. It is difficult, however, to form a correct opinion at this early date, more especially as the planting will not be finished before the end of April.

What is beyond the least doubt is that the cabbages and turnips rank amongst the plants which have suffered most. Entire fields of the former have been destroyed. Kales are grown on a large scale in western France for cattle feeding and in that part of the country they take the same rank in importance as mangels in northern France. Their leaves, which are often over a yard in length, constitute the latest green fodder before winter and the earliest in spring when they survive the winter unhurt. Unfortunately they freeze easily and the snow which affords a good protection to many tender plants is deadly to the cabbage tribe. The earlier cabbages particularly will again be scarce and high priced next season and the seedsmen who will have some good growing seed left over need not be afraid that the money invested will bring no interest. The tender turnips like the Milan, and the tender celeries such as Paris Golden Yellow and White Plume suffered most and the crops of these will be quite small.

The wholesale demand for seeds has been very active in France and the stocks of the leading articles are running very low. It is possible that by the end of the season little seed will be left over for another year. The market gardeners and truckers are taking the necessary steps to raise enough vegetables to satisfy all demands during the exposition and therefore need a good deal more seeds. The retail orders come in slower than last year but the season is expected to last longer. When the months of February and March are bright and fine, as was the case in 1899, the orders come in with a rush which does not last very long but overworks the clerks, while with colder weather in the beginning of the year the demands are made in a gradual way and do not cause so much pressure of work.

Only a few weeks separate us now from the date set for the opening of the exposition, April 14. The delay in distributing the space to the nurserymen caused a good deal of uneasiness. The gardeners are only now enabled to make the plantations of the standard fruit trees along the Seine. Many of the trees are in bloom and as the soil in which they are planted may not be the best it will not be surprising if they fail to make good progress should the months of May and June prove to be very dry. Only part of the trees will be exhibited in Paris, where the room is very limited, the others going to Vincennes, about five miles from the central part of the city. There is no limit to room at Vincennes, and while any number of trees and shrubs may be planted there it is unfortunate that the fruit trees could not all have been planted near the exposition ground, as many will fail to inspect them, owing to the time required to do so. The trees and shrubs planted on the exposition grounds last year by the city of Paris are thriving well and the gardens of the Champs de Mars are in good shape.

The authorities assure us that the exposition will be ready for the date fixed for its opening. From what I have seen, however, I am rather inclined to be pessimistic in the matter. I fear that everything will not be in readiness before the middle of May. This is no exception to the rule. None of the five great expositions held in Paris has ever been finished at the date of opening, as may be seen from the following particulars: The exposition of 1855, inaugurated May 15, was not ready until June 30; that of 1867, opened April 1, was not completed until end of May; that of 1878 opened its doors to the public May 1, but was not finished before May 20; that of 1889 opened May 5, and was not entirely ready until June 5.

It may interest the readers of the AMERICAN FLORIST to learn that the areas of these five great expositions were as follows, one square meter being equal to 1,196 square yards or 10,764 square feet: That of 1855 measured 168,000 square meters, of which 120,000 were covered with buildings; 1867—687,000 square meters, 166,000 buildings; 1878—750,000 square meters, 280,000 buildings; 1889—960,000 square meters, 290,000 buildings; 1900—1,080,000 square meters, 460,000 buildings.

The flowers now reaching this market from southern France include Allium Neapolitanum, Anemone stellata, A. Pavoniana fl. pl., A. coronaria, A. fulgens (single and double), Gladiolus Colvillei, narcissi, Dutch hyacinths and tulips, marguerites, carnations, mignonette, mimosa, violets, and stocks. Our local florists supply lilacs, roses (Caroline Testout, Brunners and Paul Neyron), snowballs, violets hyacinths and tulips.

Plants offered for sale are spiræas, hydrangeas, azaleas, cinerarias, mignonette, stocks, ericas, carnations, cyclamens, violets, pelargoniums, rhododendrons, camellias, tulips, crocuses; hyacinths, genistas, imantophyllums, dwarf roses and lilacs (the Persian form) and still a few Chinese primulas.

Notwithstanding the atmospheric variations which prevailed up to the present date, the two "20th March" chestnut trees, so dear to the Parisians, and which grow in the Champs Elysees, did not disappoint us as messengers of spring, as they are already covered with leaves.

PARISIAN.

Milwaukee.

An architect is preparing plans for the enlargement of Holton & Hunkel's store.

Miss Anna Pohlman, bookkeeper for that firm, has arranged to take in the Paris exposition this summer.

Mr. Dalwig, the Juneau avenue seedsman, is about to add a flower department to his store.

August Kellner, formerly of Binzel & Kellner is now taking a turn at landscape work.

Alex. Klokner has at length been appointed as superintendent of the city park system.

Carnations are not as scarce as they were.

C. B. W.

New York.

EVERYONE BUSY.—PREPARATORY WORK FOR EASTER VERY HEAVY.—WEATHER UNFAVORABLE.—WHOLESALERS HAVE ADDED PLANT DEPARTMENTS.—MEETING OF THE CLUB.—SATISFACTORY CONDITION OF CONVENTION MATTERS.—NOTES HERE AND THERE.

The middle of the week preceding Easter finds everybody "up to their ears" in preparatory work, but with very little yet upon which to base calculations as to the outcome of the Easter business. The weather is sufficiently cold to make careful wrapping necessary on every plant sent out, the temperature having gone below the freezing point on several nights and several snow flurries having visited us on Tuesday, so the labor of the plant growers in getting their stock to the city has been greatly added to and the city stores are huddled full of plants that, with more seasonable weather, would be displayed on the sidewalks. All are hoping for better conditions during the balance of the week. The unavoidable overcrowding of store space makes artistic display impracticable in either store or window and much of the effect of the brilliant groups is thus spoiled. The variety is much the same as in previous years, excepting that Crimson Rambler roses are seen in greater profusion and azaleas are less abundant. Some of the wholesalers have gone heavily into the plant trade and their stores are filled with forests of lilies and their windows with banks of Campbell violets. Millang & Co. have taken a vacant store a few doors away for their plant department and M. A. Hart has made a similar venture in a location in Sixth avenue above Thirty-sixth street. J. K. Allen has erected a canvas awning over the yard in the rear of his place, which serves well for the same purpose. As usual many of the retailers have also taken extra stores for the week.

The meeting of the Florists' Club on Monday evening was well attended, considering the busy time. Matters connected with the approaching S. A. F. convention were the main topics for consideration. Reports of progress on the part of the various sub-committees were made and the situation appeared in a most favorable light from every standpoint. President O'Mara showed a preliminary drawing of the beautiful silver cup to be awarded in the bowling tournament by Lord & Burnham and it was announced that A. H. Hews & Co. had proffered a selection of any piece of pottery in their catalogue as a prize for a ladies' bowling contest. It was decided that the $100 premium to be given to the society whose members should win the largest number of prizes in the horticultural exhibition should be given in the form of cash. A special committee on the reinstatement of former members was appointed with instructions to report at the May meeting. Treasurer Weathered was absent in Philadelphia but sent a letter announcing great success in the advertising section of the souvenir programme volume which the club will present to every visitor next August. Mr. Maynard, former gardener at the F. L. Ames estate in North Easton, Mass., was a visitor. Seven new names were added to the membership roll.

A most interesting display of Japanese horticultural curios is now on exhibition at Cleary's auction rooms and is being visited by throngs of people.

The Florists' and Gardeners' Association announces a summer-night's festival

and reunion at Woodlawn Park, Brooklyn, on the evening of June 11, the proceeds of the affair to be devoted to a sick-benefit fund for members.

Boston.

ALL HANDS ARE BUSY.—EVERY BRANCH OF THE TRADE SHARES THE BUSINESS.—CERTAINTY OF A BIG EASTER.—MORE ABOUT DEULAH.—VARIOUS NOTES OF INTEREST.

This is a lively week with the Boston florists and preparations are made for the biggest Easter business on record. Other than the possibility of stormy weather there is no doubt and no guessing as to the result on the part of flower men or plant men, growers, wholesalers or retailers. No great surplus of anything is in sight and if disaster should befall any branch of the industry it will probably be directly traceable to attempted extortion somewhere. The plant growers' wagons have been at it from early morning until late at night transporting their fragile loads to the city. At the greenhouses the visitor finds himself a nonentity in the hustling to and fro, but has only to use his eyes and ears to realize the tremendous pressure from all sides that the plantsman is under these days.

In the city the wholesalers' places of business are almost impassable from the great tiers of boxes, large and small, that have been brought in anticipation of the shipping trade that they know will come their way. Everybody is on deck and attending strictly to business. Warren Ewell's emotional eloquence, David Welch's profound philosophy, with all that they suggest of congenial goodfellowship, are silenced for the present and the man with nothing to do has only to show himself and he is put at work forthwith. The windows of the retail stores are gay with Ramblers, lilies, acacias, hydrangeas, tulips and azaleas but by the time these notes see the light of Boston again it will be all over and every plant and every flower will have been turned, we trust, into their full value in good dollars.

A special committee visited David Monteith on April 5 for the purpose of getting further acquaintance with his carnation, Beulah. Imagine a Scott with flower of double size, stem and growth of Mrs. Lawson, three to four feet tall, and foliage of Daybreak and there you have it.

James Comley is in with a good lot of cool-grown Crimson Ramblers and a forest of forced rhododendrons for Easter, from the new place he started last fall.

T. J. Grey & Co. received a certificate of merit for mammoth white stocks at at Horticultural Hall on last Saturday. All were glad to see J. H. Woodford out again after his serious illness.

W Rosenthal has disposed of his Bosworth street place and will enlarge his facilities at 5 Bromfield street, taking a room on the second floor in addition.

N. F. McCarthy & Co.'s initial plant auction for the season, next Friday, will be a record breaker. Come and see.

Welch Bros have taken an extra store at 27 Franklin street to accomodate their Easter plant trade.

Jas. M. Tuohy has opened a store at 1154 Cambridge street, Cambridge.

All the grippe victims in this vicinity are recovering.

E. J. Harmon, Portland, Me., is in town.

Philadelphia.

COLD WEATHER MAKES TROUBLE IN DELIVERIES. — DEPARTMENT STORES TAKE A HAND IN THE EASTER BUSINESS.—LILIES AT ALL PRICES.—RETAILERS ANNEX ADJACENT VACANT STORES.—GROWERS ARE RUSHED.—NOTES.

April tenth and six degrees of frost do not, as a rule, keep company, but this year they were found together, working against the early trips of the growers and giving no end of trouble. When it was known that April 15 would be Easter the growers began to jog their memories and most of them, remembering the hot days that were likely to come the first two weeks of April, thought there would be lots of time, and "better a little behind than too soon" became their motto. There are, consequently, some late crops of lilies, hyacinths, etc., all because the hot wave failed to appear. There are plenty of lilies and stock of all kinds, however, and it promises to be a great Easter. How much the department stores are going to affect prices is a problem. Three or four of the largest are dipping in heavily and advertising lilies at 15 cents per flower. Their stock is, however, poor, as a rule, being bought cheap and looks it. Still, some carry higher-priced stock, Wanamaker having bougainvilleas at $15 and Ramblers at $20. The bad feature of their business is the advertising. Most of the stores try to get 25 cents per flower and bud for their selected stock, but the first answer to the quoted price is, "Why, the large stores only ask 15 cents," and it takes a lot of talking to satisfy the customers that they are worth the difference in price. The wholesale price is 10 cents to 12 cents per flower and bud. Hyacinths, one plant in a 4-inch pot, are $10 per hundred. These are about the only plants that have a universal price, all other kinds varying according to size and quality.

The stores have nearly all added largely to their capacity by renting vacant buildings as near by as possible and using them for storage purposes. Pennock Bros. have a large store a few doors below them. H. H Battles found a fine large store vacant just around the corner on Chestnut street and quickly engaged it for the week. George Craig is also fortunate in such a find almost next door, and the same plan has been adopted by nearly all who can find convenient places.

The growers' rush is at its very height today, Tuesday, but by tomorrow night most of their stock will have been moved, and on Thursday they will visit the stores, stepping in rather timidly, a little uncertain as to their reception. One of the large growers was heard to say that he had done well but does not believe he will grow as much Easter stock next season; the delivery makes so much work all at once, which, together with the uncertainty of getting the stock all ready and salable at one time, makes the business very hazardous and trying.

There is nothing especially new, but for effectiveness we believe that Harris's bougainvilleas can not be beaten. Pennock Bros. filled their window with some of these plants and they attracted a great deal of attention. Harris's hydrangeas were also of the peachy order, especially the specimens, which we have never seen done better.

Robert Craig had some tables of lilies of which he was very proud. They could not well have been done better. George Anderson is also right in it with his lilies Scott's Ramblers all went, all the stock being sold before the day of the first delivery. They are exceedingly fine.

K.

Washington.

BUSINESS GOOD AND STOCK EXCELLENT.—GUDES PUT UP A FINE WEDDING DECORATION.

Trade has continued fair for the week before the rush. Most of the market people were quite busy last Saturday. Lilies will be plentiful. Violets are coming in more heavily and are good. Roses and carnations are showing up finely. There are plenty of blooming plants in general. All the florists are busy getting their stores and windows in shape for Easter.

A. Gude & Bro. had the decoration for the Singer-Lansburgh wedding and reception at Concordia Hall. The walls and ceiling were covered with southern smilax and asparagus. Under an arch of palms and greens was suspended a double heart of La France roses pierced with an arrow. Covers were laid for 100 guests. The center piece was of Adiantum cuneatum, La France and Bridesmaid roses, 500 roses being used about the table. The bride carried a shower bouquet of Kaiserin roses and lily of the valley.

Minder Bros. will have most of their Lilium Harrisii in for Easter this year.

P. G.

St. Louis.

EASTER PRICES REASONABLE. — WHOLESALER INVESTS IN LILIES.—NOTES OF THE TRADE.

As predicted by your correspondent some time ago, the wholesale prices for Easter will not run as high as has been the case in former years. Carnations will run from $2 to $4 per hundred, while roses will fetch from $4 to $10. Harrisii lily plants are exceedingly scarce and are worth almost their weight in gold. There seems to be a fair supply of cut Harrisii, as one of our wholesale men has purchased all he could get his hands on at prices entirely satisfactory to the growers. The outlook now is that there will be a good business for Easter.

Frank Bucksalet, who has been for a long time with Ellison & Tesson, has left that firm to take a position as door watchman at the court house.

J. M. H.

Oceanic, N. J.

A very well attended meeting of the Monmouth County Horticultural Society was held last week, President Kettel in the chair. Fred. Nielsen was nominated and Mrs. V. S. Legier was elected to membership. Dr. W. T. Wittmore, De Witt Williams and N. Butterbach were appointed to have the society incorporated at once. The treasurer was instructed to take some stock in the State Mutual Building and Loan Association.

Dr. Wittmore delivered one of his characteristic speeches, and here it may be said that this society is very fortunate in having as members such men as Dr. Wittmore, De Witt Williams, Rev. Dr. Kneipe, J. T. Barkulow and many others. There is never any lack of entertaining and instructive matters.

The president read a paper on adiantum culture which was listened to with great interest and was well discussed.

B.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00.
Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

As we go to press we learn by telegraph that another frost has occurred in the south, causing injury to fruit and vegetable crops.

IN advance of the season for bedding out there is every indication of heavy business and a shortage of well-grown geraniums.

JOHN H. DUNLOP, of Toronto, writes under date of April 11 that strong representations on the part of the trade have resulted in the repeal of the San Jose scale act of the Dominion government, allowing the importation hereafter of rose plants grown under glass in the United States.

SOME of the big growers who have new ranges underway are having trouble over their glass contracts, at least two of the jobbers having failed to fill large orders accepted early in the season. In one instance the grower has secured his material from another source but at an advance of 40 cents a box on car lots.

E. FORGEOT, 21 Rue Pierre-Lescot, Paris, kindly writes offering readers of the AMERICAN FLORIST the free use of his offices and their accomodations during the exposition, which is to be formally opened April 14. Mr. Forgeot also tenders the free use of his cable address, which is "Culturgren—Paris." The offices are located in the center of the city, near the market.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The Floral Exchange, Inc., of Philadelphia, registers new rose The Queen of Edgely, the pink sport of American Beauty, originated at Edgely, Pa., in the fall of 1896. Color, light pink, similar to Bridesmaid; growth, habit, foliage, height, size and form identical with parent. The buds set more freely and the fragrance is somewhat sweeter.

WM. J. STEWART, Sec'y.

Bleached Smilax.

ED. AM. FLORIST:—Herewith I enclose sample of smilax, the leaves of which are turning white, and I wish you would kindly inform me with regard to trouble and remedy. The leaves start to turn white at the tip and eventually the entire string is spoiled. Very little manure has been used on the plants. S. H. B.

I would state that the bleached condition of the smilax leaves appears to be caused by too much tobacco smoke.

T. G. WILLIAMS.

Enormous Replies to Advertisements.

AM. FLORIST CO.—We believe we wrote you to discontinue our advertising on tree tubs. The ads. have brought us enormous replies from all over the country but we shall discontinue for the present as we are likely to have sufficient sales for the present time. When we need more business we shall advertise with you again. GEORGE CHIPMAN.

Philadelphia, April 10, 1900.

Greenhouse Building.

Carvel, Me.—E. B. Harvey, house 30x60.

West Derby, Vt.—H. J. Ball, one commercial house.

Marlboro, N. Y.—S. Sarles, one violet house.

Homer, N. Y—J. J. Arnold, three houses.

Indianapolis, Ind.—Indianapolis Flower and Plant Co., rebuild range of burned houses.

Swampscott, Mass.—W. W. Wyman, house 15x38.

Buffalo, N. Y.—C. E. Foss, one house.

Troublesome Cutting Bench.

ED. AM. FLORIST:—I have had much trouble with my propagating bench, and it seems to make no difference where I locate it. I am now using a narrow bench with bottom heat and still the cuttings rot in about a week or ten days after they are inserted in the sand. Would like to know cause and remedy.

W. L.

It would be difficult to answer your correspondent intelligently without knowing the kind of cuttings he refers to. Full particulars should also be given as to watering, shading and ventilation. What kind of sand is used and how often is it changed? GROWER.

Chicago.

WHOLESALERS AS BUSY AS CAN BE.—EASTER BUSINESS ON THE RUSH.—MANY BIG SHIPPING ORDERS.—THE CLOSE OF THE BEST LENTEN SEASON ON RECORD—SUMMARY OF THE FALL PREMIUMS.—FEW FLOWERING PLANTS IN THIS MARKET.—SHIPPERS ASK LUCID INSTRUCTIONS.—THE MATTER OF GLASS SUPPLY.—VARIOUS ITEMS OF INTEREST.

The vortex of the fray is no point of vantage from which to summarize the situation but the indications are on Friday that by the dawn of Easter morning the biggest week's business in the history of this market will have been transacted. Stock was coming in with a rush last week and, although the cold, bleak, windy, snowy weather of the greater part of this week retarded matters considerably, the cuts have been large, estimated by some as exceeding any previous Easter, except on carnations, of which only the bright colors have been in adequate supply. The week commenced with a big stock and fair trade and business has increased right along up to Thursday night without any great disparity between supply and demand and Friday is the big shipping day, but in the morning it was impossible to tell how the shippers would be fixed by nightfall; many of them have more orders on file than they ever had before for one day.

If the sum total of Easter business is found to have come up to expectations, when things have calmed down and reckonings are complete, it will only be what should follow a season like that just past. The period of abstinence has brought no depression this year; in fact, as one bright person remarked, it seems as though the only thing which has kept Lent is the extra dollar which one had hoped to lay away for a rainy day. It may be accepted as a fact that no previous Lenten season has seen so general a use of flowers in this city and the points for which it is the distributing center, and neither has there been such a period of good prices. The ordinary Lent is a season of periodical gluts; this year it has seen several floral famines.

The preliminary premium list of the Horticultural Society of Chicago carries a total of $2482 in cash prizes and provides for the bestowal of silver and cut glass to the value of $215, a silver cup and twelve silver medals. The distribution is as follows: Cut chrysanthemums, $264; cut orchids, $60; chrysanthemum plants, $455; miscellaneous plants, $825; retail florists' displays, $170; cut roses, $148; table arragements, silver service, cut glass and $100; carnations, silver cup and $190; growers' floral displays, $65; floral arrangements, $120; special competitions, $25; cut violets, $25; violet plants, $35; seedling chrysanthemums, six silver medals; seedling carnations, six silver medals.

Chicago affords no comparison with the east in the matter of flowering plants for Easter. Of course the retailers who have some glass have more or less in this line, but the growers have not yet come to an appreciation of the possibilities in blooming plants and very little is obtainable aside from lilies and azaleas and of these there were only meager supplies. Pearce, Dressel, Jurgens and the Garfield Park Flower Company had the principal stocks but, while they sold well, they afforded little variety.

If buyers realized how busy wholesalers are upon such weeks as this they would exercise more care in making out their orders and, if it was found necessary to make a change after the order had been placed, they would mention the day the order was to be shipped and be very plain in stating their wants; wholesalers have no leisure at Easter to puzzle out involved instructions. In wiring always use the code of the Chicago Florists' Club.

Mr. Bridgeford, better known as "Cash," who conducts a very attractive retail place on Jackson boulevard, where he keeps the windows constantly massed with cut blooms, rented the adjoining store, stocked it with potted lilies, hyacinths and primulas and did a big business this week. "Cash" is seldom to be found at his store; he says that's not where the money is made; that it's in the buying.

For some unknown reason pansies cannot be moved at any price. On Tuesday one of the haviest buyers refused to make an offer for a few hundred bunches of good stock and declined to invest when he was told that he could have the lot at a figure which would permit retailing at a nickel a bunch.

It develops that one of the local commission men has settled up with all his growers weekly ever since he started in business without realizing that it was a point of great interest to the sources of supply, and has never said a word about it.

Buyers are discovering that glass is no longer so very cheap. The best quotation a large grower was able to obtain this week was $3 55 for 16x24 double strength B and $3.85 for the same size in A grade.

There was a considerable floral display

at the council meeting Monday night, when the new members were installed, but not so large as a year ago, when Mayor Harrison was the principal recipient.

Myer Heller, of the South Park Floral Co., was up from New Castle, Ind., early this week in search of glass and boilers for their new range.

On Monday E. C. Amling received 190 five and six-foot Beauties from the South Park Floral Co.

Buffalo.

BAD WEATHER PRECEDES EASTER.—MOST OF THE GROWERS HAVE GOOD STOCKS READY. — KASTING HAS AN ANNEX.—NOTES.

Quiet trade, a raw wind and snow storm are not what is wanted four days before Easter but a visit to a number of places on Sunday found stock generally good and most all lilies ready. Scott and Rebstock have fine shows. Zimmerman's store shows the effect of a good greenhouse stock. Palmer, Adams and Anderson will exhibit later. J. G. Pickelman's stock is good but warmer and brighter weather than to-day is wanted to get his lilies in. Mrs. Newland's stock is good and will be ready for delivery.

Kasting's annex is well stocked. Crimson Ramblers are going to be good and in demand. Carnations will, I think, be scarce. The different stores are doing considerable decorating, which calls for a number of lilies.

Kasting and Anderson are on the sick list. W. A.

OBITUARY.

R. BUONGIORNO.

Rugiero Buongiorno, the seedsman, of Middle Village, N. Y., died of pneumonia on March 15. The business will be continued by his widow.

ROBT. T. DEAKIN.

Robt. T. Deakin, senior member of the firm of Robt. T. Deakin & Co., manufacturers of greenhouse syringes and pumps, of Ogontz, Pa., died March 22. The factory has been closed since his death, but it is expected that work will be resumed within a few days.

JOSEPH BROWN.

Joseph Brown, one of the oldest florists in New Jersey, died at his home in West Hoboken on April 1, aged 79 years. Mr. Brown made a nice little fortune out of the Neapolitan violet in the days of its supremacy. He retired from active business about twenty years ago, since which time the place has been conducted by his son, George Brown.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a first-class rose grower. Address Q C, care American Florist.

SITUATION WANTED—By a single man age 23, commercial or private Address, stating wages, Third floor, 392 W. Huron St., Chicago.

SITUATION WANTED—By competent, single florist and gardener Good all-around man State particulars. W K. 339 Paulina St., Chicago.

SITUATION WANTED—By a good grower of roses, ferns and gener l stock; 10 years' experience; married. State wages. Address M F, care American Florist.

SITUATION WANTED—As foreman; competent all-around grower of cut flowers, roses, carnations, violets and the forcing of all kinds of florists' stock. References on application. Address GROWER, care American Florist.

SITUATION WANTED—By two men, one an A1 all-around florist, 14 years' experience; the other a first-class assistant Would like situation together, in either private or commercial place. References. Address AMERICA, care American Florist.

SITUATION WANTED—By experienced gardener and florist, in commercial or private place as foreman or manager. Best of references; married, three children; sober and industrious. Give full particulars and references with wages Address E W. care American Florist.

SITUATION WANTED—By an experienced florist to take charge of retail commercial place. Thoroughly posted in growing for the retail trade. Age 32; single. Wages, $30 and board. Illinois or Ohio preferred. Address "RETAIL," care American Florist.

SITUATION WANTED—A position in or near Chicago by all round man. A1 rose and orchid grower also familiar with greenhouse construction, competent to take charge of private or commercial place, 10 years' experience east and west Address FLORIST, 2725 Wabash Ave., Chicago, Ill.

SITUATION WANTED—By the 1st of May by a gardener, used to work in greenhouses, with a florist around New York. Has good recommendations from this country and Europe Sober and willing. Address with particulars, L. BERTELSEN, 201 W 127th St., New York.

SITUATION WANTED—Middle aged man desires position on private place, would not object to working in florist establishment, thorough practical gardener, good grower and propagator; understands mushroom growing, landscape and vegetable gardening. A. HUMPHREYS, 36 Bevan St., Cohoes, N. Y.

WANTED—Assistant florist. State age, nationality and wages CONVERSE GREENHOUSES, Webster, Mass

WANTED—Two young men for carnation and rose houses. State experience and wages wanted. F. BURKI, Bellevue, Pa

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal.

WANTED—Single man with experience in growing cut flowers. Send reference age and salary expected to H, care American Florist.

WANTED—Partner for retail store. Good opportunity for bright man. Good location Chicago. Address L S, care American Florist, Chicago.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO WYLAND, De Haven, Pa.

WANTED—An assistant florist and all-around man; German, single preferred. State wages. Address at once. WM. KRUMM & SONS, St. Joseph, Mo.

WANTED AT ONCE—A young man to work in greenhouses; one with some experience, good worker and willing to learn. $15 a month and board Address CHARLES BROWN, Canton, O

WANTED—Good second hand boiler suitable for 6000 feet of glass, hot water under pressure, fuel cheap soft coal Also wrought iron pipe, valves, etc. JOSEPH BANCROFT & SON, Cedar Falls, Ia.

WANTED—An all-around assistant, single man, on commercial place near Chicago; one with some knowledge of mushroom growing preferred. Permanent place to right man. P, care Am Florist.

WANTED— At once, a young man, German; must be sober and reliable, for general greenhouse work. Wages $15 per month with board and room. Work easy; place steady all the year round. Address J. RINDFLEISCH, Beloit, Wis.

WANTED AT ONCE—Single men to grow cut flowers and bedding stock; must be competent, sober and reliable. State wages expected with board and room. References. Address PERMANENT, care American Florist.

WANTED—Steady, reliable man, German preferred, with some experience in carnations and general bedding stock. Wages $20 to $25 per month and board. Address JOS. F. KLIMMER, Desplaines Ave and Harrison St., Oak Park Ill.

WANTED AT ONCE—A single man: must be sober and reliable for growing cut flowers and general stock. Give references and state wages with board and room. Steady place all the year round. Applicant must be of good address. C. H FOREMAN, Louisiana, Mo.

WANTED AT ONCE—An experienced man who can grow first-class cut flowers and plants for retail trade; must be competent to take full charge and handle men. Wages $60 per month. Married man preferred. Address B J E, care American Florist, Chicago.

WANTED—By May 1st, single man to take charge of greenhouses; capable of growing cut flowers and general stock of plants; must be sober, honest and reliable. Permanent place to right man. State salary. References. S. C. THORP & SON, P. O. Box 373, Trinidad, Colo.

FOR SALE OR RENT—Commercial place; location the best. R D BAKER, Canon City, Colo.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—On easy terms, a well established and lucrative florist business, in a live town. It will pay you to investigate. Address Box 663, Wabash, Ind.

FOR SALE—Commercial greenhouses, 8,000 feet, with dwelling, near New York City, or will rent. Rare chance to right man. Address M, P. O. Box 2817, New York City.

FOR SALE—Four-inch cast-iron greenhouse pipe, 5-feet lengths, F. O. B., 15c. per foot, in good order. Address INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.

FOR SALE—Estab'lished florist business, with or without 7-room dwelling, in a good Indiana town; no competition within 20 miles. Will bear investigation. Address WABASH, care American Florist.

FOR SALE AT ONCE—Four acres, two dwellings, barn, eleven greenhouses, 18,000 feet of glass (double thick), in a thriving town of 20 000; good shipping trade and local market. $3000 cash, balance on time. Address E. HAENTZE, Fond du Lac, Wis.

FOR SALE—Established florist business, city of 40 000, five houses, over 8,000 feet of glass, one or three acres of land Stock at appraisal. Very little competition. Bargain; investigate. Also 100 farms. Apply to POORE'S FARM AGENCY, 104 Merrimack St., Haverhill, Mass.

Florist Wanted.

A man capable of raising general stock for a retail store, especially chrysanthemums, roses and bedding plants, but also flowering plants for winter. Must be a good decorator and handy at design making. Single man preferred. Wages $35 a month and board. Address with references, M E, care American Florist.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land; 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE

102 acres fine land, part cultivated	$2,800.00
Lot 52x241, four greenhouses, sheds, etc...	3,700.00
⅝ of an acre, city property, greenhouses well stocked, fine condition, bargain....	3,700.00
Lot, 100x125, 5 greenhouses, stock, etc., fine dwelling	4,800.00
25 acres, good shipping center south-west, fine orchards of pears, cherries, etc.....	6,500.00
60 acres, 33 in fruit, 6 greenhouses, well established business	7,500.00
7 acres, 7 greenhouses, land highly cultivated, large dwelling	9,500.00

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave, PITTSBURG, PA.

Dissolution of Partnership.

I beg to announce to the trade in general and particularly to the retail florists, that the partnership heretofore existing under the name and style of A. M. & J. B. Murdoch was dissolved March 31, 1900, by limitation. On and after this date I shall conduct the business of a retail florist at my store, No. 250 Fifth Avenue, where I shall be pleased to exchange the courtesies of the trade with florists of known responsibility.

A. M. MURDOCH, 250 Fifth Ave,
April 2nd, 1900. PITTSBURG, PA.

Do not hide your light under a bushel. Tell the people what you have for sale.

Catalogues and Cut Flower Price Lists Received.

Harry White, New Holland, Ind., fruit plants; V. Lemoine & Sons, Nancy, France, greenhouse and bedding plants; Jacques Hasslach, Nimes, France, vegetable and flower seeds; Wm. F Kasting, Buffalo, N. Y., cut flowers; C. C. Pollworth Co., Milwaukee, Wis., cut flowers; Welch Bros., Boston, Mass., cut flowers; Milton W. Woodroffe & Co., Philadelphia, Pa., cut flowers; Cincinnati Cut Flower Co., Cincinnati Ohio, cut flowers and florists' supplies.

Wholesale Flower Markets

CINCINNATI, April 12.

Roses, Beauty, select	50 00
" " medium	40.00
" Bride	8 00@10 00
" Bridesmaid	8 00@10 00
" Meteor	8 00 10.00
" Perle	5 00@ 7 00
Carnations	2 00@ 3 00
" fancy	4 00@ 6.00
Lily of the valley	3.00@ 4 00
Violets	50 @ .75
Roman hyacinths	2 00@ 3 00
Dutch "	4.00@ 6 00
Harrisii	15 00
Callas	12 50
Daffodils	4 00
Tulips	3.00@ 6.00
Narcissus	3 00
Marguerites	.75
Smilax	15.00
Adiantum	1.00
Common ferns	.20

ST LOUIS, April 12.

Roses, Beauty, short stems	5.00@10 00
" " medium	12 50@ 25 00
" " fancy	30.00@ 50 00
" Bride, Bridesmaid	4.00@ 10.00
" Meteor	4 00@ 8 00
" Perle Wootton	3 00@ 6 00
Carnations, common	1 50@ 2 00
" fancy	2 00@ 5.00
Lily of the valley	3 00@ 4 00
Violets	.25@ 50
Narcissus	3 00@ 4.00
Roman hyacinths	2 00@ 6 00
Dutch "	2 00@ 6.00
Sweet peas	1 00@ 2 00
Callas each .15	
Harrisii	12 50@15 00
Tulips	2 00@ 6 00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00

MILWAUKEE, April 12

Roses, Beauty, long per doz.	4.00@ 6 00
" " medium " "	2 00@ 3.00
" " short " "	1 00@ 1 50
" Bride, Bridesmaid	6 00@ 10.00
" Perle	4 00@ 8 00
" Meteor	6.00@ 8 00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	3 00@ 4 00
" fancy	4 00@ 5 00
Violets	.50@ 1.00
Daffodils	3 00@ 4 00
Mignonette	2.00@ 3.00
Adiantum	1 00@ 1 50
Common ferns	.25
Smilax	15.00@18.00
Asparagus	75.00
Galax leaves	.20

PITTSBURG, April 12.

Roses, Beauty	5.00@50 00
" Bride, Bridesmaid	3.00@18.00
" Meteor	3.00@ 18.00
" Kaiserin	6 00@ 12.00
" Perle	6 00@ 12.00
" Cusin	8 00@ 12 00
Carnations	1 50@ 4.00
Lily of the valley	2 00@ 4 00
Violets, double	.20@ .75
" California	.20@ .30
Daffodils	3.00@ 4 00
Harrisii	6 00@20.00
Tulips	4.00@ 5 00
Pansies	.75@ 1 00
Lilacs, per bunch	1.50@ 2 00
Daisies	1 50@ 3.00
Mignonette	2.00@ 4 00
Smilax	12 50@20 00
Wild Smilax per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	.10@ .20
Asparagus bunches	.40
" strings	.35@ 75
" Sprengerii, bunches	.50@1 00
Galax leaves	.15

DENVER, April 11.

Roses, Beauty, select	32.00@48.00
" ordinary	10.00@20.00
" Bride, Bridesmaid	6.00 @ 8.00
" Meteor	6.00@ 8.00
" Perle, Wootton	4.00@ 6 00
Carnations, ordinary	2.00
" fancy	3.00@ 4 00
Lily of the valley	4.00@ 5.00
Violets	50
Callas	12 50@15 00
Harrisii	12 50@15 00
Narcissus	3.00@ 4.00
Daffodils	2.00@ 4.00
Tulips	4.00
Sweet peas	1 00
Asparagus	75 00
Smilax	18.00
Ferns	.30
Galax leaves	.20

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CATTLEYA TRIANÆ		18.00

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. per dozen, $1.00
DRACAENA TERMINALIS nice plants, 2½-in. " 1.00
(*Special prices will be quoted on application for these plants in quantity from the sand.*)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

ARE YOU SATISFIED?

We had a larger Easter business than ever before; in fact this has been the biggest week in our history, but we handled every order so that OUR customers are satisfied. If you were not satisfied you ought to become one of OUR customers.

WHOLESALE CUT FLOWERS.

E. C. AMLING,
32-34-36 Randolph St.,
...CHICAGO, ILL.

WALTER S. HEFFRON, MGR.

ALL KINDS, BUT ALL GOOD.

Cut Flowers at Wholesale.

HOLTON & HUNKEL CO.,
MILWAUKEE, WIS.

HUDSON & CO.
WHOLESALE FLORISTS,
1527 PINE STREET,
Phone, Kinloch D 83. ST. LOUIS, MO.
Consignments Solicited. Prompt returns guaranteed

Cincinnati.. Cut Flower Co.,
W. A. MANN.
FRANK W. BALL.
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

If You Have Stock To Sell...
the best way to make that fact known to the trade is by regular advertising in
Give it a trial.
...The American Florist.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

	Per Dozen.
AM. BEAUTIES, Ex. long	$5.00 to $7.00
" 24-inch stems,	3.00 to 4.00
" 20 " "	2.00 to 2.50
" 15 " "	1.50
" 12 " "	1.00
	Per 100
CARNATIONS, fancy	$4 00 to $6 00
" standard vars. asst.	3.00 to 4.00
BRIDES	6.00 to 9.00
BRIDESMAIDS	6.00 to 9.00
METEORS	6.00 to 9.00
PERLES	4.00 to 7.00
VALLEY	3.00 to 4.00
TULIPS	3.00 to 4.00
LIL. HARRISII	10.00 to 12.50
CALLA LILIES	10.00 to 12.50

	Per 100.
DAFFODILS	$3.00
VIOLETS, double	.75 to 1.00
" single	.50 to .75
ROMANS	3.00 to 4.00
ADIANTUM	1.00
" extra long fancy	1.50
ASPARAGUS	50 cts.
SMILAX	$1.50 per doz. 12.50
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS	$1.50 per M. .20
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4 50
No. 5 " 40 lbs.	5 50
No. 6 " 50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc. MASSACHUSETTS FANCY FERNS, 1000 $1.50; 5000 lots, $6.25.

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

WEILAND & RISCH,

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

Long Distance Telephone Central 879.

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Wholesale Flower Markets

CHICAGO April 13.

Roses, Beauty, extra long stems	6.00
" " 30 inch "	5 00
" " 24 " "	3.50@4 00
" " 20 " "	3 00
" " 15 " "	2.00
" " 12 " "	1.50
" " 8 " "	1 00
" Bride, Bridesmaid.	6.00@10 00
" Perle	5.00@ 7.00
" Meteor	6.00@10.00
" La France	6 00@ 8.00
" Golden Gate	10.0 0@15.00
Carnations	3.00@ 4.00
" fancy	5.00@ 7.00
Violets, double	.60@ 1.25
" single	.40@ .50
Lily of the valley	3.00@ 5.00
Cattleyas per doz.	4 00@6.00
Dendrobiums "	3.00
Lilacs "	.75@1.00
Mignonette	2.00@ 6.00
Roman hyacinths	1.00@ 4 00
Dutch hyacinths	4 0 0@10 00
Narcissus	3 00@ 4 00
Harrisii	12.00@15 00
Callas	8 00@10 00
Tulips	4.00@ 6.00
Sweet peas	2.00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy ferns	.20
Smilax	12 50@ 15.00
Asparagus	50.00@60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO

S. E. Cor Wabash Ave. and Randolph St.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabaah Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:00 A. M. TO 11:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

Wholesale Commission Florists.

New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

TELEPHONE 2200 MADISON SQ.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, JOBBERS IN FLORISTS' SUPPLIES

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, April 11.

Roses, Tea	6.00@10.00
" " extra	12.00@15.00
" Beauty, extra	40.00@60.00
" " firsts	25.00@40.00
Carnations	3.00@ 4.00
" fancy	5.00@12.00
Lily of the valley, Daffodils	3.00@ 4.00
Violets	50@ 1.00
Mignonette	2.00@ 4.00
Asparagus	50.00@75.00
Smilax	20.00@30.00
Adiantum	1.00@ 1.50

BOSTON, April 11.

Roses, Beauty, fancy and special	35.00@50.00
" " grades 3 to 1	8.00@25.00
" Bride, Maid, Perle Meteor fancy	12.00@16.00
" " " " ordinary	6.00@ 8.00
Carnations	3.00@ 4.00
" fancy	5.00@ 8.00
Lilies, Callas	12.00@15.00
Violets	.50@ .75
Lily of the valley, Yellow narcissus	2.00@ 4.00
Tulips	2.00@ 3.00
Roman hyacinths	2.00
Dutch "	2.00@ 4.00
Narcissus poeticus, paper white	2.00
Astilbe, stocks	4.00@ 5.00
Mignonette, Marguerites	.50@ 1.00
Asparagus, strings	50.00
" bunches	25.00@35.00
Smilax	20.00@25.00
Adiantums	75@ 1.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Rosss, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Succeeeore to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME CROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

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JOHN B. FERGUSON,

Wholesale Florist,

444 Sixth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq. *39 West 28th St., NEW YORK.*
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, April 11.

Roses, Beauty select	40.00@60.00
" " medium	10.00@20 00
" " culls	2 00@ 5.00
" Bridesmaid, Bride, Meteor	6 00@12 00
" " " Select	15 00@20 00
Carnations	3 00@ 4 00
" fancy	6.00@12.00
Lily of the valley	2 00
Violets	.50@ 1 00
Yellow narcissus	1.00@ 2 00
Tulips	2 00@ 4 00
Mignonette	2.00@ 8 00
Sweet peas	.50@ 1 00
Callas	12.00
Lilies	10.00@12.00
Lilac, per bunch	1.00
Cattleyas	30.00@50 00
Smilax	20 00
Asparagus	35 00@50.00
" Sprengeri, per doz. bunches	1@1 50
Adiantum	.50 .75

BUFFALO, April 12.

Roses, Beauty	10.00@50 00
" Bride, Bridesmaid, Meteor	8.00@15.00
" Perle, Niphetos	5 00@ 8.00
" Kaiserin	8.00@ 15.00
Carnations, ordinary	1.50@ 2 00
" fancies	3.00@ 6 00
Lily of the valley	3.00@ 4 00
Violets	.60@ 1 25
Mignonette	2.00@ 6.00
Daffodils	3 00@ 4 00
Dutch hyacinths	3 00@ 6 00
Harrisii	12 00@26 00
Callas	8.00@10 00
Tulips	3.00@ 4 00
Smilax	15 00@20 00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	15
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN IS NOW AT 106 W. 28th St., NEW YORK CITY,
where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Squa .....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres ; ALBERT MCCULLOUGH, Vice-Pres ; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED NEW YORK: Jesse B. Agnew, seed grower of Agnew, Cal.

DWARF ESSEX rape seed is in good demand at $5.50 per 100 pounds.

ONION sets are pretty well cleaned out, prices now ranging from $2.50 to $3.

OUR Paris letter, which appears on page 1149, contains much information of interest to seedsmen.

THE supply of Early Dwarf wrinkled peas is being exhausted; Nott's Excelsior and Wonders are stiff in price.

VISITED CHICAGO: James McHutchison, representing Aug. Rhotert, of New York; W. R Roach, representing Jerome B. Rice, of Cambridge, N. Y.

CLUCAS & BODDINGTON Co., New York, report the mail trade this season as more than double that for the same period last year, especially in the line of flower seeds.

THE past two months have been very busy ones in the mail seed trade. The demand for onion seed has been strong with a good supply, except possibly of White Portugal.

VAUGHAN'S twenty-sheet lawn grass seed poster, 8x20 feet, and in four colors, is perhaps the largest advertisement of the kind ever given general display by a seedsman. The design was furnished by a *New York Journal* artist and Wall was the lithographer.

THE Seedsmen's League held a meeting at the Astor House, New York, April 10. There were present W. Atlee Burpee, Herbert Johnson (of Johnson & Stokes) and Mr. Landreth (of D. Landreth & Sons) Philadelphia; S. M. Pease (of the Cleveland Seed Co), Cape Vincent, N Y ; Mr. Breck (of Jos. Breck & Sons), Boston; Mr. Griffith (of Griffith & Turner Co.), Baltimore; Jerome B. Rice, Cambridge, N. Y ; F. W. Bruggerhof (of J. M. Thorburn & Co.) New York.

MINNEAPOLIS, MINN.—S. Y. Haines & Co. report that up to January 20 mail seed trade was very poor. From that date to March 1 there was a gain of 40 to 50 per cent over same date last season The first three weeks of March there was a big slump and a loss against February receipts, but a gain over same dates last season. Since March 23, with the exception of one day, it has taken another upward jump. It has been a very peculiar season, and unless we have more cold weather the chances of a profitable year's business seem slim.

Florida Seed Law Void.

PENSACOLA, FLA., April 6—As a test case, County Solicitor Parkhill recently filed information in the criminal court of this county against W. A. D'Alemberke, charging him with selling seeds not labeled with a guaranty showing where and by whom grown, as required by an act of the Florida legislature of 1899. Judge A. C. Blount took the case under advisement and to-day rendered a decision that the act is unconstitutional, because it seeks to regulate inter-state commerce.—*Savannah News, April 7, 1900.*

SPECIAL TO FLORISTS.

Johnson & Stokes Evergreen Velvet Lawn Grass Seed.
Put up in beautiful lithographic cartons to sell for small grass plots and cemetery lots. Pint size, per dozen, 60c; per 100, $5.00. Quart size, per dozen, $1.20; per 100, $10.00

Lithographic Flower Seed Packets.
With full cultural directions and generously filled. Per 100 Packets, $2.00. Per 1000 Packets, $15.00. Beautiful Poplar Cabinet for displaying them, $1.00.

Lithographic Vegetable Seed Packets.
At same rate.

ASTER, Queen of the Market, the earliest of Asters, mixed ....Per ¼ oz., 15c; per oz., 50c
" **Queen of the Market,** white crimson, blue and red .... " " 15c " 50c
" **Semple's True Branching Mixed** ....Per ¼ oz., 15c; per oz., 50c; per lb., $5.00
" " " shell pink, white and red ....Per ¼ oz., 20c; per oz., 75c
NASTURTIUM, Tom Thumb Mixed, (new crop) ....Per ¼ lb., 15c; per lb., 40c; per 100 lbs., $35.00
" **Tall Mixed** ....Per ¼ lb., 15c; per lb., 35c; per 100 lbs., $30.00

SEND FOR OUR NEW FLORISTS' LIST.

JOHNSON & STOKES. 217-219 Market St., PHILADELPHIA, PA.

We are soliciting contract orders for crop of 1900

KENDEL'S EARLY GIANT CORN.

This Sweet Corn has become a leader among Market Gardeners on account of its great size and earliness. Description and lowest price of genuine stock from the introducer,

A. C. KENDEL, Seedsman, Cleveland, Ohio.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Florists are invited to send for our quotations on

FORCING BULBS,
ROMAN HYACINTHS,
LILIUM HARRISII,
LILIUM LONGIFLORUM,
Etc., Etc.

We are large importers of HIGH CLASS BULBS.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6 00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Tuberous Begonias, single, five separate colors extra fine large bulbs, ½-inch, per 100, $2 50 Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5 00. Gloxinias, finest strains, VERY large bulbs per 100, $3 00. Cannas in choicest sorts, $2 00 to $8 00 per 100 for NOVELTIES Tuberoses READY. Asparagus Sprengeri seed, 100 75c; 1000 $6 00. Asparagus P Nanus (TRUE) 100 $1 00; 1000 $9.00. Latania Borb. 100 40c; 1000 $2 50 Pandanus Utilis, 100 $1.25; 1000, $10 00. Cocos Wedelliana, 100 $1 00; 1000 $7.50. Send for our NEW spring list. Address
H. H. BERGER & CO., 47 Barclay St., N. Y.

NEW IMPORTATION

Cycas Stems.

TRUE "LONG-LEAVED" VARIETY
JUST ARRIVED.

ASSORTED SIZES,
1 to 10 pounds each,
10 cents per pound.

☞ Write for Price on Quantities......

VAUGHAN'S SEED STORE,
CHICAGO: 84-86 Randolph Street. **New York:** 14 Barclay Street.

Seeds.

Primula Sinensis, Rolker's large-flowering, ⅛ oz. $3.50; packet 25c.; best English mixture, packet 50c. **Cineraria** hybr. grandifl., choicest English, packet 50c. **Cyclamen** splendens grandifl., 500 seeds $2 50; separate colors, 100 seeds 60c.; best English mixture, packet $1.00. **Asparagus Sprengerii**, 1000 seeds $6.50; 100 seeds 75c. **Pansy**, Rolker's Giants, ¼ oz. $1.25; packet 25c.; Trimardeau, ¼ oz. 75c.; packet 25c. **Other seeds** see general Trade list, mailed free.

August Rölker & Sons, 62 Dey St., New York.

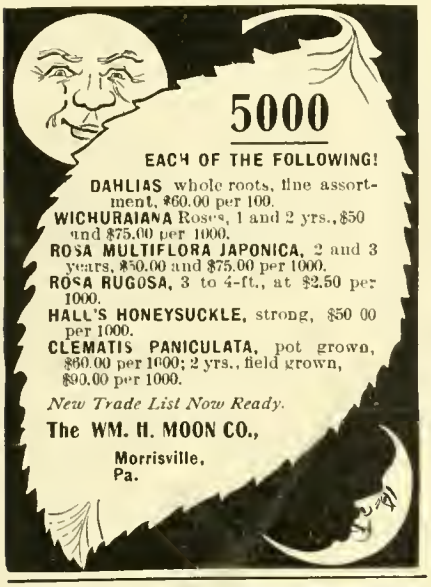
Please mention the American Florist when writing.

Ordar now your Bulbs while you can make money with

Paper White Narcissus Grandiflora,
EXTRA, $4.00 per 1000,
free Marseilles. Packing free. 1st Dec. settlement. Very low prices on application for **ROMAN HYACINTHS** and other French Bulbs for forcing.

A. BERNARD, Grower and Exporter,
Cerqueiranne, Var, France.

American Florist Advts.
Mean More Business.



5000

EACH OF THE FOLLOWING!

DAHLIAS whole roots, fine assortment, $60.00 per 100.
WICHURAIANA Roses, 1 and 2 yrs., $50 and $75.00 per 1000.
ROSA MULTIFLORA JAPONICA, 2 and 3 years, $50.00 and $75.00 per 1000.
ROSA RUGOSA, 3 to 4-ft., at $2.50 per 1000.
HALL'S HONEYSUCKLE, strong, $50 00 per 1000.
CLEMATIS PANICULATA, pot grown, $60.00 per 1000; 2 yrs., field grown, $90.00 per 1000.

New Trade List Now Ready.

The WM. H. MOON CO.,
Morrisville, Pa.

FRUIT and ORNAMENTAL TREES
SHRUBS
VINES
AND ROSES

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y

Rhododendron Maximum
Kalmia Latifolia.

In all sizes and any quantity.
Special rates on car-load lots.
A special opportunity.
Write for prices.

J. WOODWARD MANNING,
1150 Tremont Building,
BOSTON, MASS.
Quotations on all other Nursery stock.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1 50
Genevieve Lord, pink	10 00	Daybreak, abeil pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs G Bradt, var.	5.00	Wm. Scott, pink	1.00
Glacier, white, fine	4.00	Lizzie McGowan	1.00

Gen. Maceo, best crimson.....$5 00 per 100
Mrs. Jas Dean, fine pink..... 3 00 per 100
Nephrolepis Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz
Cash please. CARL HAGENBURGER, West Mentor, O.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet bigh, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Always mention the American Florist when you order stock.

GENEVIEVE LORD

The ideal pink carnation. Strictly speaking, a commercial variety, yet size and exhibition qualities are not lacking. The color is that happy shade called by the ladies "just right." Its stem is unequalled by any carnation. It is a prodigious grower and the most remarkable producer of high grade blooms we have ever grown. An easy, rapid grower; makes large plants from late cuttings. We can promise prompt delivery after April 10th. Stock for delivery prior to that date all sold. Cuttings positively free from rust and in other respects very hard to duplicate.

Price: Doz., $2; 100, $10; 1000, $75.

Our catatalogue is now ready, giving complete description of above, also all of the other big new ones at introducers' prices. Also comp ete list of standard varieties, all the best new and standard chrysanthemums. Catalogue sent for the asking.

H. WEBER & SONS,
OAKLAND, MD.

5000 Large-Flowered Clematis.

TWO-YEAR FIELD GROWN PLANTS,
$12.00 per Hundred.
(Sample mailed for 15 cts.)

JACKMANNI,
Mme. ED. ANDRE,
RAMONA.

O. H. DREW, Hibernia, N. Y.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75 00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List. Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**
Rea Brothers. NORWOOD, MASS.

NEW SHELLBARK--HICKORY NUT, "Hornor's Special."

RARE EVERGREEN TREES.
200 000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.

CHAS. B. HORNOR & SON, Mt. Holly, N. J.

The Nursery Trade.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

SCARCELY a word of root killing is heard this year.

THE American Association of Nurserymen has received $1,629 80, the amount of its claim upon N. A. Whitney, Franklin Grove, Ill., its former treasurer.

RICHARD W. KENNEDY, nurseryman, of Dansville, N. Y., has made an assignment to James H. Baker of that city; the liabilities do not exceed $7,000. Mr. Kennedy's troubles date back nine years, beginning with the day upon which a hail storm inflicted a loss of $9,000.

LAST fall Richman & Mills, of Fullerton, Cal., bought 33,000 fruit trees for $2,367.50 of S. L. Watkins, of Folsom, who failed to make deliveries as agreed, thereby inflicting a loss which the purchasers claim amounted to $5,572.50. They instituted suit for damages and were awarded a judgment for $2,750.

Fined Under San Jose Scale Law.

The first case under the San Jose scale law, which was enacted in April, 1899, was prosecuted in Justice Hoglund's court yesterday, and M. E. Markel, a nurseryman at Bowen and Cottage Grove avenues, was fined $10 for selling to Mrs. Ida F. Perry, 319 Bowen avenue, some trees which had not been examined and certified by the state entomologist. The law provides that nurseries shall be inspected each year for evidences of the presence of destructive insects.—*Chicago Record, April 13, 1900.*

Points to Remember in the Fumigation of Nursery Stock.

Prof. W. G. Johnson, of the Maryland Agricultural College, offers the following suggestions in a bulletin recently published by the Pennsylvania Department of Agriculture:

1. Never let a tree grown by you get out of your hands unless you have fumigated it.
2. Never fumigate a tree on which you know there is a San Jose scale. The furnace and not the fumigating house is the place for such trees. A dead scale on a tree is just as demoralizing to your business as a live one, if seen by the buyer.
3. Never use the gas stronger than .25 gramme cyanide per cubic foot on any kind of nursery stock.
4. Never leave the trees exposed to the gas longer than an hour.
5. Never fumigate trees, especially peach, a second time.
6. Never fumigate trees in a car after it is packed.
7. Never fumigate trees when they are drenching wet. They may be moist, even quite damp.
8. Never puddle the roots of trees before they are fumigated.
9. Never fumigate cedars and evergreen trees, unless there is some special cause for it.
10. Never fumigate trees until the wood is well matured and the buds thoroughly dormant.
11. Never fumigate after the buds have begun to open in the spring.
12. Never fumigate June buds and peach under three feet, with gas stronger than .18 gramme cyanide per cubic foot. Better use .16 gramme.
13. Never fumigate buds, grafts or cions with gas stronger than .16 gramme.
14. Never leave the cyanide can where children can reach it.
15. Never let the cyanide can be without a conspicuous label "poison."
16. Never leave the cyanide can exposed to air. It will absorb moisture and ruin it.
17. Never take a bag of cyanide out of a can, until you are all ready to use it.
18. Never leave the door of the fumigating room open a moment after the cyanide has been dropped in the jar.
19. Never allow a person to go near or open the door when fumigating.
20. Never allow anybody to enter a room under ten to fifteen minutes after the door and ventilators are opened.
21. Never empty residue of jar where children would play in it.
22. Never allow residue to remain long in the jar.
23. Never put a new charge in a jar containing the old residue.
24. Never put sulphuric acid in tin or iron vessels; it will eat them up. Always use glass or earthenware.
25. Never lose an opportunity to caution persons in your employ or on your place about the danger attending the inhalation of this gas.

KINGFISHER, OKLA.—Mrs. J. W. Preston has started in the florist business here.

DORMANT ROSES

CRIMSON RAMBLER, EXTRA STRONG 3 year old Budded stock, 4 ft. canes } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes, } 100, 20.00
2 year old Budded stock, 3 ft. canes .... Doz., $2.00 100, $15.00

Kaiserin A. Victoria, 2 year budded 100, $15.00
Mad. Caroline Testout, 2 year budded... " 15.00
Hermosa, extra strong Holland grown 2 year Own roots 100, $13.00

ALL ON OWN ROOTS, AT $13.00 PER 100:
Gen. Jacq. Ulrich Brunner John Hopper. Mad. G. Luizet. Magna Charta.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:
Baroness Rothschild. Gloire Lyonnaise. Marie Baumann Paul Neyron. Boule de Neige. Ulrich Brunner.
Mad. G. Luizet. Mrs. John Laing. Prince C. de Rohan. Capt. Christy. Magna Charta Gen. Jacq.
Malmaison. Fisher Holmes. John Hopper. Mad. Chas. Wood. Perle des Blanches.
La France. Coquette des Alpes. Giant of Battles. Gen. Washington. Marshall P. Wilder.

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

Clematis Paniculata AND Ampelopsis Veitchii

Clematis Paniculata, field grown	100	1000
No. 1	$8 00	$70.00
No. 2	6.00	50.00
X size	10.00	80.00
Hydrangea P. G. 1 year		18.00
" " 2 to 3 feet	9.00	
" " 3 to 4 feet	12.00	
Virginia Creeper		45.00
Eulalia Gracilima, strong		15.00

Ampelopsis Veitchii, field grown.	100	1000
No. 1	$6.00	$50.00
No. 2	5.00	45.00
No. 3	4.00	35.00
X size	8.00	75.00
XX size	9.00	85.00
ROSES—Felicite Perpetu	5.00	
Francois Levet	6.00	
Box Tree, 6 to 12 inches		20.00

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

LARGE MAPLES.

NORWAY MAPLES.			Per 100
1½-1¾-in. cal.,	10-14 feet		$35.00
1¾-2 " "	12-16 "		60.00
2-2¼ " "	14-18 "		90.00
2¼-2½ " "	16-19 "		110.00

SILVER MAPLES.		Per 100
1¾-2 in. cal.,	12-14 feet	$25.00
2-2¼ " "	14-18 "	35.00
2¼-2½ " "	15-18 "	50.00
2½-3 " "	16-20 "	75.00
3-3½ " "	18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops.
CAR LOTS. General nursery stock in large sizes a specialty. Field grown Herbaceous Plants.
ISAAC HICKS & SON, Westbury Station, Nassau County, New York.

NURSERYMEN Write for Sample and Price of ....

==Manetti==

FOR IMMEDIATE DELIVERY. FINE STOCK.

HARRY A. BUNYARD, 42 W. 28th St., New York City

OAKS 10,000
Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leavad, all sizas.
Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

ROSES! ROSES! ROSES!

WE make the growing of Roses a specialty and carry an immense stock of them, having ONE MILLION now on hand. You are invited to inspect this stock. Our aim is to give value for value. We wish to merit the full confidence of every customer we have It is this method of dealing that has built our trade up in the few years we have been in business, until we lead the world in Roses.

The following varieties at $3.00 per hundred or $27.50 per thousand; 25 at 100 rates, 250 at thousand rates, 50c. per doz.

Augustine Halem
Bertha Clavel
Burbank
Beaute Inconstant
Caroline Marniesse
Christine de Noue
Clara Watson
Climbing La France
Climbing Malmaison
Climbing Meteor
Champion of the World
Crown Princess Victoria
Caroline Goodrich
Crimson Rambler
Duchess of Albany
Duchesse Marie Salviati
Devoniensis
Duke of York
Empress Eugene
Empress of China
Enchantress
Francis Dubreuil
Golden Gate
Helen Cambier
Hermosa
J. B. Varrone
Kaiserin A. Victoria
La France
Lamarque
Lady Coles
Mde. de Watteville
Mde. de Vatry
Mde. Hoste
Mde. Honore Defresne
Media
Mde. Lambard
Maman Cochet
Meteor
Mary Washington
Mde. Pernet Ducher
Mde. Welche
Mde. Abel de Chatney
Marquise de Vivens
Marie Van Houtte
Hon. Edith Gifford
Mrs. Robert Garrett
Muriel Graham
Princess Alice de Monaco
Princess Venosa
Pierre Guillot
Perle des Jardins
Papa Goutier
Rainbow
Royal Cluster
Reine Marie Henriette
Sunset
Sombreuil
Souv. de la Malmaison
Souv. du Pres. Carnot
Souv. de Jeanne Cabaud
Souv. de Catherine Guillot
Souv. de Mme. Eugene Verdier
Sylph
Santa Rosa
Striped La France
Solfaterre
Triomphe de Pernet pere
Viscountess Folkestone
White Maman Cochet
White La France
W. A. Richardson
White Perle des Jardins
White Bougere
Waltham, Queen of

The following varieties at $2.50 per 100, $22.50 per 1000; 25 at 100 rates, 250 at thousand rates, 40c per doz.

Aline Sisley
Antoine Verdier
Adam
Andre Schwartz
Anna Ollivier
Agrippina
Apolline
Alba Rosea
Archduke Charles
America
Alister Stella Gray
Bon Silene
Bridesmaid
Beauty of Stapleford
Beauty of Greenmount
Bougere
Baltimore Belle
Bennett's Seedling
Clothilde Soupert
Catherine Mermet
Comtesse de Frigneuse
Cornelia Cook
Chas. Legrady
Comtesse Eva Starhemberg
Claire Carnot
Carmine Pillar
Canary
Chas. Rovolli
Coquette de Lyon
Comtesse Riza Du Parc
Dr. Reymont
Dr. Grill
Duchess de Brabant
Duchesse de Thuringe
Ernest Metz
Etoile de Lyon
Edouard Littaye
Enfant de Lyon
Fortune's Double Yellow
General Tartas
General R. E. Lee
Golden Chain
Henry M. Stanley
Homer
Isabella Sprunt
Joseph Metral
Jules Finger
James Sprunt
La Princesse Vera
La Sylphide
Louis Phillipe
Louis Richard
Lucullus
La Phœnix
Mde. Marthe du Bourg
Mde. Elie Lambert
Mde. Jos. Schwartz
Mde. Schwaller
Mde. Scipion Cochet
Mde. Bravy
Mde. Caroline Kuster
Mde. Margottin
Mde. Pauline Labonte
Mde. Damaizin
Mde. Jure
Mde. de St. Joseph
Mde. Alfred Carriere
Marie Drivon
Marie Guillot
Maurice Rouvier
Marechal Robert
Monsieur Furtado
Monthly Cabbage
Marie Ducher
Mosella
Marechal Niel
Md'lle C. Berthod
Md'lle Francisca Kruger
Ophelia
Purple China
Pink Soupert
Princess de Hohenzollern
Pink Rambler
Queen of Prairies
Queen's Scarlet
Reine Olga de Wurtemburg
Russel's Cottage
Safrano
Souv. de un Ami
Sanguinea
Souv. de David
Snowflake
Tennessee Belle
The Queen
The Bride
Triomphe du Luxembourg
Viscomtesse de Wantier
Virginia
White Rambler
White Bon Silene
White Daily
Yellow Rambler

NEWER ROSES.

	Price per Doz.	Per 100
Bladud	$1 25	$10.00
Balduin	1.25	10 00
Bardou Job	.75	5 00
Climbing Bridesmaid	1.00	6.00
Climbing Paul Neyron	75	5.00
Climbing Wootton	$ .75	$ 5.00
Coronet	1 00	8 00
Ferdinand Jamain	1.00	6 00
Gruss an Teplitz	1.25	10.00
Heleue (The New Rambler)	.75	6.00
Mrs Robert Peary (or Climbing Kaiserin)	$1.25	$ 8.00
Maid of Honor	.75	6.00
Preciosa	.75	6.00
Princess of Wales	1.25	10.00

Hybrid Perpetual Roses

In 20 leading sorts, $3.50 per 100, $30.00 per 1000, 50c per dozen.

Manda's Evergreen Memorial Roses.

Jersey Beauty	$1.50 per doz.,	$10.00 per 100
Evergreen Gem	1 50 "	10.00 "
Gardenia	2.00 "	15.00 "

Memorial, or Wichuraiana Roses.

Price 50 cents per dozen, $3.00 per 100, $25.00 per 1000.

Manda's Triumph
Universal Favorite
South Orange Perfection
Pink Roamer
Mrs. Lovett
Rosa Wichuraiana

WE ALSO OFFER CHOICE STOCK OF THE FOLLOWING PLANTS

	Price per Doz.	Per 100
Abutilons, 6 sorts	$ 0.40	$ 2.50
Alternantheras, 2 sorts	.30	2.00
Aloysia, Lemon Verbena	.30	2.00
Araucaria Excelsa, 4 to 6 tiers of leaves, $1.00 each	10.00	
Amaryllis Johnsonii and Belladona	2 50	
Alyssum double sweet	.30	2.00
Achania, Malvaviscus	.30	2.00
Agathæa Coelestis, the blue Marguerite	.35	2.50
Asparagus Sprengerii	.40	2.50
Asparagus Pinnosus Nanus	.50	4.00
Apple Geranium	.50	3.50
Antigonon Leptopus	.50	3.00
Begonia Rex, fine assortment	.50	4.00
Begonias, flowering, best sorts	.50	3.50
Baby Primrose (new)	.40	2.50
Caladium Esculentum, extra fine bulbs	75	6.00
" " smaller size, but fine bulbs	.50	3 50
Coleus, choice bedders	.35	2 00
Crotons, fine collection	.50	4.00
Calla Lilies, strong bulbs	1 00	6.50
" " smaller size, but blooming bulbs	.50	3.50
Cyperus Alternifolius	.30	2 00
Chrysanthemums, best sorts	.30	2 00
Carnations, leading kinds	.40	2 50
Camellias, 20 inches nigh, bushy plants, all colors	6.00	
Cannas in 10 leading varieties	.50	4 00
Carex Japonica Variegata	.40	2.50
Cestrum, night blooming Jasmine	.40	2.50
Cyclamen Persicum	.40	2.50
Clematis, large flowering, 3 sorts	$4 00	
Dracæna Indivisa, 2½-in. pots	.50	$ 3.50
Ficus Elastica Belgica 12 inches high	3.00	22.50
FUCHSIAS all best varieties	.40	2 00
FERNS, Compacta, Exaltata and Climbing	.50	3 50
FERN BALLS, Japanese	50c each.	
GENISTA CANARIENSIS, fine plants	.10	2 50
Geraniums, leading sorts, double and single	.50	3.50
Hibiscus, 10 varieties	.35	2.50
Heliotropes, best varieties	.30	2.00
Honeysuckles, several kinds	.40	2.50
Jasmines, all leading kinds	.50	3.50
Marguerite Daisies, white, yellow and blue	.35	2.00
Moon Flowers, white and blue	.40	3 00
Oleanders, 4 colors	.50	4.00
Otaheite Orange, 2½-in. pots	.40	2.50
Plumbagos several varieties	50	4.00
PITTOSPORUM TOBIRA, 4-inch, fine plants	1.25	
PINKS, hardy garden varieties	.40	2.50
Swainsonia, 2 sorts, white and pink	.35	2.50
Selaginella Emelliana	.50	3.50
Salvias, several varieties	.40	2.50
Strobilanthes, royal purple	.40	3.00
Smilax, fine young stuff	.30	2.00
Thunbergias, 2 kinds, white and purple	.35	2.50
Vincas, 3-inch pots	.75	5 00
Verbenas, choice sorts	.30	2.00
Violets, leading kinds	.40	3.00

Our new wholesale catalogue is now ready, and will be mailed to all applicants. Write for it, as our prices will be sure to interest you. It contains all kinds of Plants, Bulbs, Roses, Etc.

LARGEST ROSE GROWERS IN THE WORLD.

GOOD & REESE CO.

SPRINGFIELD, OHIO.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and oyoling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Denver.

This is the score made April 10:

Player	1st	2d	3d	Av
Phil. Scott	203	199	244	215
John Berry	200	191	210	200
Michael Bloy	178	237	142	186
J. A. Valentine		162	156	159
Ed. Emerick	147	122	150	140
Geo. Zimmer	125	148	115	129

P. S.

At Chicago.

Owing to the Easter rush the boys have not yet played the remaining four games to determine the team which is to meet St. Louis; quite likely this will be done some evening next week. Following are scores of Degnan and "Joliet."

Player	1st	2d	3d	4th
Savage	160	180	152	126
Hartshorne	122	130	128	122
Degnan	153	132	153	170

At New York.

Five games were bowled in the afternoon preceding the regular Florists' Club meeting last Monday evening. The scores made were not phenomenal but the noise was. If it were possible to adequately illustrate the latter in print this page would make a sensation. The scores, as recorded, follow:

Player	1st	2d	3d	4th	5th
Traendly	129	147	154	136	128
Thielman	115	141	177	166	160
Hafner	126	152	140	98	154
Roehrs	129	152	142	138	107
Small	135	153	167	145	
Manda			118	132	166
Moody			122	115	
Butterfield			89	107	
Atkins			147	128	122
Wallace			85	97	
Herrington			110	81	72
Burns				148	159
Shaw				103	115
Donlan				185	118
Stewart					91

At Philadelphia.

Bowling is at fever heat in this staid, quiet city. Just think of it; 1500 games were bowled last month, an average of sixty games per weekday. Many of the scores are made by the associate members who play in the afternoon and on "off nights." Of the following list five florists are in the first seven. Messrs. Hamilton and Johnson are crackerjacks and their averages seldom fall below those of last month. The list includes all who have bowled ten games or over during the past month:

Player	Games	Pins	Av.
Hamilton	15	2 544	169
Johnson	107	17 991	168
Harris	87	13,884	159
Brown	33	3 651	158
Moss	43	6,799	158
Conner	40	6,305	157
Westcott	90	13.898	154
Archer	45	3,919	153
Kuestner	37	5,6?9	152
Peterson	14	2,131	152
Smith	48	7,179	149
Moore	12	1,799	149
Walker	27	3,935	145
Allen	92	13 331	144
Scott	24	3.475	144
Gibson	36	5 189	144
Anderson	17	2,387	140
Hassard	18	2,470	137
Kift	25	3,428	137
Kienle	15	2 034	135
Eisenbery	13	1,716	132
Bonsall	52	6,773	130
Lamb	11	1,432	130
Reber	20	2,567	128
Watson	61	7,767	127
Craig	16	2,018	126
Hallowell	15	1 837	122
Barnes	19	2,261	119
Burton	13	1 533	117
Eimerman	60	6,737	112
T. C. Brown	52	5 670	109
McKaraher	24	2,584	107
Turn y	34	3,599	105
Barrett	43	3,752	87

THE MOST ACCEPTABLE CUT FLOWER FOR DECORATION PURPOSES

For National Decoration Day uses, bridal, banquet and funeral occasions is the GRANDIFLORA JASMINE bud; ours cannot be excelled. This beautiful flower is a phenomenal keeper; they are due to bud about May 10th, season lasting about one month. Prices are $5.00 per thousand, 75c per 100, f. o. b. Alvin, Texas. Terms cash with order. Orders booked now.

J. M. WEEMS,

ALVIN, TEXAS.

COLEUS ROOTED CUTTINGS

VERSCHAFFELTII, GOLDEN QUEEN, Assorted kinds. Usual prices.....

L. H. FOSTER, 45 King Street, Dorchester, Mass.

Oh! What a Difference

Between the usual auction room stock and that we are going to open up this season. Mr. McCarthy has just returned from Europe after inducing growers of high repute to consign stock such as is seldom seen in the United States. It will be offered at the regular auction sales April 20th, 24th and 27th. It includes 20,000 Hybrid Roses, 5000 Ornamental Conifers and Evergreen Shrubs, 50,000 deciduous Trees and Shrubs, all the most desirable sorts. Symmetrical specimens of Cupressus, Box and Retinospora. Fifty splendid standard and pyramidal Bays. All in fine condition. Send for Catalogue. Remember the date. Sales begin at 9:30 A. M. promptly each day.

N. F. McCARTHY & CO. 84 Hawley Street, BOSTON, MASS.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

EASTER PRICE LIST. Subject to change without notice.

	Price per Hundred.		P. AND D. AT COST.		Price per Hundred.	
Am. Beauties, short	$10.00 to	$12 50		Violets and Pansies	$ .60 to	$ .75
Am. Beauties, medium	15.00 to	18 00		Valley, our specialty—the best	2 50	3 50
Am. Beauties, fancy, fair length	25 00 to	35.00		Smilax	12.50 to	15.00
Am. Beauties, long	50 00 to	75 00		Harrisii		12 50
Meteors, extra select	8.00 to	10.00		Callas		12.50
Brides, Maids, extra select	6 00 to	8.00		Daffodils, single and double	2 00 to	4.00
Meteors, Brides, Maids, good average	5 00 to	7 00		Daisy, Forget-me-not	.75 to	1.00
Perles, extra select	4.00 to	6.00		Adiantum		1.00
Roses, our selection		4.00		Asparagus	per string, 50c to 75c	
Carnations, special fancy varieties		6 00		Mahonia Leaves		1.00
Carnations, choice	4.00 to	5.00		Leucothoe Sprays	per M, $6.50	.75
Carnations, good average	2.50 to	3.50		Galax	per M, 1.25	
Carnations, our selection		2.00		Common Ferns	per M, 2.00	

BEST STOCK ALWAYS SHIPPED UNLESS OTHERWISE ORDERED.

KENNICOTT BROS. CO., 42-44 East Randolph St., CHICAGO.

ROSES

GRAFTED, WINTER BLOOMING.
Brides, Bridesmaid, Golden Gate.

GRAFTED, SUMMER BLOOMING.
Pink Soupert, Clothilde Soupert, Kaiserin Augusta Victoria, President Carnot.

OWN ROOTS.
Maman Cochet, white and pink, 2½-in. pots. Prices on any quantity.

H. P., low budded, in variety.....$10.00 per 100
Clothilde Soupert, dormant..... 12.00 per 100

BOBBINK & ATKINS
RUTHERFORD, N. J.

Grafted Roses A No. 1 STOCK

ORDERS BOOKED NOW.

AM. BEAUTY, BRIDE, BRIDESMAID, CARNOT, GOLDEN GATE, KAISERIN, METEOR—2½-in. pots, $12.00 per 100; $90.00 per 1000.

S. J. REUTER, Westerly, R. I.

Please mention the American Florist when writing

GRAFTED
KAISERIN AND CARNOT
GILT-EDGE STOCK.
☞ Plant NOW for summer bloom.
ROBERT SIMPSON, Clifton, N. J.
Please mention the American Florist when writing.

Roses

Bride, Bridesmaid, Perle, Sunset, Golden Gate and Kaiserin.
HUNTSMAN & CO., Cincinnati.
Please mention the American Florist when writing.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3.00 a 100. $25.00 a 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, O.

AMERICAN BEAUTY. A No. 1 stock.

	Per 100	Per 1000
2½-inch pots	$5.00	$45.00
BRIDES, 2½-inch	3.50	30.00
BRIDESMAIDS, 2½-inch	3.50	30.00
PERLES, 2½-inch	3.50	

CASH WITH ORDER.
JOHN MUNO, Rogers Park, Chicago.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.
WOOD BROTHERS, FISHKILL, N.Y.

CYCLAMEN SEEDLINGS. Dreer's Giant Strain, transplanted, strong seedlings, $2.50 per hundred.
CASH PLEASE.
HENRY EICHHOLZ, Waynesboro, Pa.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

Please mention the American Florist when writing.

ROSE PLANTS

From 2½ in. Pots.

	Per 100	Per 1000
THE BRIDE	$3.00	$25 00
BRIDESMAID	3.00	25.00
METEOR	.00	25.00

THESE are clean, strong plants, fully up to the character of the stock we have sent out in previous years. All stock is guaranteed, all orders are carefully filled and well packed.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

LIBERTY ORDERS RECEIVED NOW FOR APRIL AND MAY DELIVERY....

GRAFTED ROSES. Kaiserin now ready to ship. Orders booked for Brides and Bridesmaids. Prices on application.
AMERICAN BEAUTY, own roots, 2½-inch pots, $6.00 per 100; $50.00 per 1000.

ROBERT SCOTT & SON, SHARON HILL, DEL. CO., PA.

WE HAVE OUR USUAL FINE STOCK OF
American Beauty Plants.

JOHN BURTON, Wyndmoor, Philadelphia, Pa.

FIRST PRIZE for 50 AMERICAN BEAUTIES

at the American Rose Society's Exhibition.

Plants from 2x3-inch rose pots, $6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK, - Wyncote, Pa.

Please Mention American Florist.

60,000 WINTER FLOWERING ROSES

Grafted and on their Own Roots.

SEND FOR PRICES. **J. L. DILLON, Bloomsburg, Pa.**

CARNATIONS.

Strong, Well-Rooted Cuttings.

SELECT STOCK.

	Per 100	Per 1000
G. H. Crane	$6.00	$50.00
Morning Glory	6.00	50.00
Gen. Maceo	6.00	50 00
Glacier	6 00	50 00
America	5 00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40.00
White Cloud	4 00	30.00
Mary Wood	3.00	25.00
Mrs. F. Joost	3 00	25.00

And other standard sorts.

FIVE 1900 NOVELTIES.

	Per 100	Per 1000
Mrs. Thos. Lawson	$14.00	$120 00
Ethel Crocker	10.00	75.00
Marquis	10.00	75.00
Olympia	12 00	100.00
Genevieve Lord	10.00	75.00

Send for Descriptive Price List.

F. Dorner & Sons Co

LAFAYETTE, IND.

Perpetual Blooming HYBRID CARNATIONS

Crossings between Marguerite and Remontant.

They are what we can recommend as truly summer flowering varieties. They begin to bloom in the field in July and continue until frost sets in. Flowers medium size, growth very rapid. Can offer them in 10 varieties in as many colors, well established plants, at $5.00 per 100, by express, or the set of 10 varieties R. C. for 50c by mail.

ETHEL CROCKER, the best pink Carnation, well established plants from 2½-inch pots, $10 00 per 100. Rooted Cuttings, $8.00 per 100.

C. EISELE,

11th and Jefferson Sts., Philadelphia, Pa.

WANTED....

Rooted cuttings of Hydrangea Monstrosa, Thos. Hogg and Ramis Pictus. Quote prices per 100, clean, healthy stock. Address

SCHMIDT & BOTLEY, Springfield, Ohio.

CRIMSON RAMBLERS

Extra heavy, 4 feet tall, 3–5 canes, $12 per 100. Good, 1 year plants, 18 inches tall, 3 or more canes, $8 per 100.

JACKSON & PERKINS CO., NEWARK, NEW YORK

American Beauties

Now ready to send out, and the best lot of plants I ever grew. 2x3 inch rose pots, $6 per 100: $50 per 1000.

JOSEPH HEACOCK, Wyncote, Pa.

NEW ROSES ::::

GRUSS AN TEPLITZ, an exceedingly healthy, strong growing forcing rose, similar to Liberty, but a stronger grower.

MAD. RENE GERARD, the improved Mad. Capucine. Fine stock. Write for prices.

BOSTON FERN, strong 2½ in., $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
WHITE CLOUD	2.00	$15.00
TRIUMPH	1.50	12 50
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00
DAYBREAK	$1.25	$10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	.75	5.00
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
LA FRANCE	$2.00	$17.50
PERLE	1.50	12.50
METEOR	1.50	12.50
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50

PLANTS FROM 2½-INCH POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
MAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	$3.00	$25.00
LA FRANCE	3.50	30.00
KAISERIN	4.00	35.00

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

Ethel Crocker

30,000 plants from soil for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75 00.

PANSIES Freya and Fairy Queen.

Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIAS.

Adonis, carmine with pure white throat, and Snowball, a pure white; they are always in bloom and a good plant for retail. 25 of each for $1.00 or $2.00 per 100, from 2-inch pots.

ALBERT M. HERR, Lancaster, Pa.

CHICAGO CARNATION CO.

Carnation Specialists,

JOLIET, - - ILL.

CARNATIONS ROOTED CUTTINGS.

Crane $6 per 100, America $5 per 100, White Cloud $4 per 100, Jubilee $2 per 100, Scott, Daybreak, Victor, Flora Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

ROSES, 2-in. Pots, Select Stock.

Perle 4c, Brides and Bridesmaids 3c. Send for list of other varieties.

WM. MURPHY, Station F, Cincinnati, O.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1 25	$10 00
Scott	1.25	10 00
McGowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1 00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

FERNS Cordata Compacta. Fine plants from bench at $2.00 per 100. Cash.

H. P. SMITH, Pique, O.

ROOTED CUTTINGS

	Per 100	Per 1000
G. H. CRANE	$5.00	
AMERICA	3.00	$25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2 00	15 00
FLORA HILL	1.50	12 50
TRIUMPH	1 50	12.50
VICTOR	1 50	12 50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10 00
McGOWAN	1 00	7.50
PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINIA	1.00	7.50
SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
METEOR	$1.50	$12.50
BRIDESMAID	1.50	12.50
BRIDE	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS.

FROM 2½-IN. POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
BRIDESMAID	3 00	25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All Plants and Cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG,

51 WABASH AVE., CHICAGO.

Please mention the American Florist when writing.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Bon Ton	2.00	15.00

Crimson.		
Evanston	2.00	15.00

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00

Yellow.		
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.		
Argyle	$1.50	$12.00

ROSES, from 2½-in. pots.	100	1000
Beauties	$6.00	$50.00
Brides	4.00	35.00
Maids	$4.00	$35.00
Perles	4.00	35.00

Guaranteed strictly first-class stock and free from disease. Cash discount on 1000 lots. 500 at 1000 rates; 50 at 100 rates.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

CHRYSANTHEMUMS

For Single Stem Pot Plants

The following are considered the best for that purpose, and we now have a large stock in fine condition for immediate shipment....

FROM 2¼ IN. POTS.	Per 100
Mrs. H. Robinson	$ 3 00
Merza	10.00
Ivory	3.00
Meta	5 00
Maj. Bonnaffon	3 00
Solar Queen	3 00
Georgiana Pitcher	3 00
Minerva	3.00
Mrs. O. P. Bassett	3 00
Merula	3.00
V. Morel	3 00
Pink Ivory	3 00
Idavan	5.00
Rustique	6.00
Lady Hanham	5.00
Black Hawk	3.00
Geo. W. Childs	3 00
Red Warrior	3.00
Mrs. J. J. Glessner	3.00
Mrs. H. Weeks	3.00

NATHAN SMITH & SON, ADRIAN, MICH.

1,000 CHRYSANTHEMUMS,

....Good Commercial Varieties,

STRONG 2½-IN. POTS, AT $2.00 PER 100, OR WILL SELL THE WHOLE LOT AT $15.00 FOR CASH ONLY.

C. G. NANZ Owensboro, Ky.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and H. A. MOLATSCH, 68th St., bet. 8th & 9th Avenues, Brooklyn, N. Y

Chrysanthemums Rooted Cuttings

Yellow Queen, Mrs. Robinson, G. Kalb, Merry Monarch, Maj. Bonnaffon, Ivory, Lady Playfair, 75 cents per 100. **BEGONIA** Rex R. C., fine mixed, $1.50 per 100. **AGERATUM** dwarf or tall, 2-in. pots, $1.50 per 100. **VINCA VAR.**, 2-in. pots, $1.50 per 100. Good clean stock at low prices for cash.

H. DANN & SON, Westfield, N. Y.

Now Ready--New Pink Chrysanthemum

MISS FLORENCE E. DENZER

Certificated by the C. S. A. Dec. 21st, 1899.

The latest Mum. Blooms for Christmas. See cut in Florists' Review of Dec 21, 1899. Rooted Cuttings, $8 00 per 100; from 2½-in. pots, $10 00 per 100

ANT. C ZVOLANEK, Summit Av. & Angelique St. WEST HOBOKEN, N. J.

VINCA VINES AND SMILAX.

	Per 100
4-inch pot Vinca Vines	$8.00
2½-inch pot Vinca Vines	2.50
Plants from flats (these have been in flats for past two months)	1 50
2½-inch pot Smilax	2.00

Cash With Order or C. O. D.

WM. A CLARK & SON, 59 State St., Waterlown, N. Y.

PERU

A New Pure Glistening White

CARNATION

Well Tested, Has Proved a Great Success Wherever Grown.

It is a strong grower, with long, stiff stems, large size, fine form and substance; fragrant, perfect calyx; never bursts, long keeper, blooms very freely and without cropping from October on.

Rooted Cuttings now ready. $1.50 per Doz., $10 per 100, $75 per 1,000. Cash with Order.

F. B. TINKER, Peru, Indiana.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. **WAVERLEY, MASS.**

Please mention the American Florist when writing.

Fine, Stocky Plants.

	Per 100
Alternanthera, yellow, $1.75, red	$2 00
Oxalis Floribunda, fine for vases	2.00
Ageratum, 3 var.	2.00
Double Petunia, 3-in. pots	3.75
Coleus, 2 and 2½-in. pots, good asst.	2.00
GERANIUMS 2½-in. pots, my selection	3.00
" 3 " "	4.00
Centaurea Gymnocarpa, 2-in. pots	2.00
Verbenas, 2 and 2½-in. pots, good asst.	2 00
Vinca Vines, 2 var., fine for vases	3.00
Caroations, 5 var., 2-in. pots	3.00
Asparagus Sprengerii, May 1st	4.00
Smilax, May 1st, 2-in. pot	1000, $8.00 1.00
Pansy Plants from cold frames	2.00
Heliotrope, white and purple	2.50

—CASH PLEASE—

JOS. H. CUNNINGHAM

DELAWARE, O.

Please mention the American Florist when writing

PETUNIAS, DOUBLE FRINGED

From 2 inch pots	Per 100, $2.00
GERANIUMS, mixed, 2-inch	" 2.50
COBEA SCANDENS, 2-inch	" 2.00

E. I. RAWLINGS, QUAKERTOWN, PA.

Orchids.

The Koffman Collection of Orchids to be sold in order to liquidate the business. The largest and most valuable collection of orchids in the world.

Cattleya, Cypripedium, Dendrobium, Cœlogyne and other rare varieties.

Exquisite specimens of

Cattleyas Trianæ, Gigas, Percivaliana, Mossiæ, and others.

Cypripediums Bellatulum, Insigne, Lawrenceanum, Harrisianum, Massaianum, Spicerianum and others, unique and of great beauty.

They will be sold in whole or in part, with or without the lease of the greenhouse at Walden, Orange county, N. Y. Call or address J. B. BLOOMINGDALE, 78 5TH AV., NEW YORK.

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ARAUCARIA EXCELSA,

2¼ inch pots, 2 to 3 tiers.......$16.00 per 100
3 " " 6 to 8 in, 3 tiers, $20.00 per 100

GREVILLEA ROBUSTA, 2-in. pots, 6 in. high $3.00 per 100.

ARECA LAPIDA, 2-in. pots....$4.00 per 100

F. LUDEMANN,
Pacific Nursery, San Francisco, Cal.

VIOLETS Now is the time to order Rooted Cuttings, A1 stock, free from disease; Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales.

Chrysanthemums Rooted Cuttings of Ivory, Maj. Bonnaffon, Bergmann, Robinson, Etc., at a bargain for 10 days only; $2 per 100, $15 per 1000. Write for catalogue.

CRABB & HUNTER, Grand Rapids, Mich.

NEW GERANIUM **DEWEY**

A GRAND NOVELTY.

Color bright crimson; dwarf, compact grower, profuse bloomer, good foliage, very attractive.

4-inch pots................35c each, $3.50 per doz.
3 " " ....25c " 2.50 "
2½ " " ....15c " 1.50 "

CARL RAUTH, Springfield, Ill.

Please mention the American Florist when writing.

Send 50c or $1 00 For samples and prices of Roses, Brides, Maids, Perles, Kaiserins, Woottons, Golden Gate, La France, or Geraniums in 3 in. Pink, Red, White and Salmon.

GEO. A. KUHL,
Pekin, Ill.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD. - CONN.

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$2.00 Per Year. Sample Copies Free.
Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. **CHICAGO.**

New **DOUBLE FLOWERING BEGONIA**
Everblooming.
(*Begonia Semperflorens*).

Largest Stock IN THE Country

BOULE DE NEIGE (white).
GLOIRE DU MONTET (dark pink)
NANCY (light pink)
TRIOMPHE DE LORRAINE (crimson)

GOOD STRONG PLANTS.
GOOD HOUSE PLANT.
GOOD BEDDER.

4 Plants. $1.00; 100 plants, $20.00
25 Plants at 100 rate.

WALTER H. MURDOCK, 49 Crigg St., Cambridge, Mass.

GERANIUMS.

AMERICA—out of 4-inch pots, strong; grandest Geranium under the sun. 50 cts. each; $5 00 per dozen, $25.00 per hundred.

MARS—2½-inch, strong, fine plants, standard border Geranium. $4.00 per hundred; $35.00 per thousand

DRYDEN—2½-inch pots, strong plants, finest fancy bedder, will become a favorite standard when better known. $10.00 per hundred.

NOVELTY SET (15) of 1899, including one America, 2½-inch pots, greatest money value of the season. $2.00 per set.

Our stock is in the healthiest possible condition. ☞Cash please

HENRY EICHHOLZ, Waynesboro, Pa.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta H. Philadelphia

EDWIN LONSDALE,
Wyndmoor,
Montgomery Co. PA

FLORISTS' ORCHIDS

.......The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent. 60 Vesey St., N. Y.

FORGET-ME-NOT, winter blooming, from flats, $1.50; 2¼-in. $2.00. 2½-in. $2.50 per 100.
AGERATUM white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100. Per 100
PARIS DAISY, white. R. C. $1.00; flats.........$1.50
DOUBLE ALYSSUM R. C. $1.00; flats......... 1 50
VARIEGATED VINCAS, from flats............... 1.50

All plants in flats strong and well established, ready for 2¼ or 3-inch pots Cash with order, please.

CHARLES S. DUTTON,
85 West 12th Street, HOLLAND, MICH.

MY SPECIALTY.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship, a splendid stock of plants in four separate colors, from 2-inch pots, $4.00 per 100; $35.00 per 1000. From 2½ inch pots, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

PANSIES ..THE.. JENNINGS STRAIN

FINE, STOCKY PLANTS from cold frames, in bud and bloom, $1.50 per hundred; $13.00 per thousand

SMALL PLANTS by mail 60 cts. per hundred. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
GROWER OF THE FINEST PANSIES.

Last Call FOR Carnations

10,000 ROOTED CUTTINGS Let us know your wants.
10,000 UNROOTED CUTTINGS As following:

			Per 100
2,000	G. H. Crane		$ 2.00
1,500	Mrs. G. Bradt		1.25
700	Gold Nugget		1.00
1,300	Mary Wood		1.50
400	White Cloud		1.00
1,000	Flora Hill		.50
1,600	America		1.50
1,000	Glacier		1.50
1,000	Melba		1 25
500	Yellow Baby Primrose in bloom	2½-in.	5 00
500	De Roo Mitting Geranium (new)	2¼ "	5.00
1,000	Obconica in bloom	2¼ "	2.50
1,000	" " fine	5 "	8.00
1,000	Chinese	2¼ "	1 00
7 000	Named Geraniums, our sel	2¼ "	2.00
4,000	Double Petunias, mixed	2¼ "	2.00
2 000	Petunias, Giants of Cal., single	2¼ "	2.00
3,000	Mme. Salleroi Geranium	2¼ "	1.50
30,000	Coleus, our selection only	2¼ "	1.50
10,000	Mixed Coleus	2¼ "	1.25
10,000	Large Pansy Plants, in bud		1.00
1,000	red and yellow Iresines		1 50
10,000	Alternanthera, red and large leaved		1.50
5,000	Forget-me-not	2½-in.	1 50
1,500	Lobelia, Crystal Palace Gem	2¼ "	1.50
1,000	California Moss	2¼ "	1.50
1,000	Mesembryanthemum erectum	2¼ "	1.50
2,000	Begonia Red Vernon, bedder	2¼ "	1.50
2,000	" Pink Erfordi bedder	2¼ "	1.50
2,000	" Sandersii, bedder	2¼ "	1.50
5,000	" our selection, named	2¼ "	1.50
	Write us for large Ferns	5 "	10.00

The Morris Floral Co.,
MORRIS, ILL.

Roses, Bedding Plants, Etc.

	Per 100
Hybrid Roses, best vars. of assorted colors	$ 4.00
Monthly Roses, best kinds	3.00
Climbing Roses, assorted colors and vars	3.00
Geraniums, best kinds, 3-inch, $3.00; 4-inch	6.00
Verbenas, assorted	2.50
Alternanthera, Aurea Nana and P. Major	2.50
Coleus, assorted	2 50
Dahlias, dry roots, assorted	5 00
Carnations, good kinds, $3.00 to	5.00
Asters, finest varieties	1.50
Hydrangeas, assorted 2½ and 3 in., $4; 4-in.	10.00
Farfugium Grande, 2½-in., $8.00; 3-in	10.00
Genista Racemosa, 3-in	6.00
Feverfew, Little Gem	3 00
Hibiscus, single and double	4.00
Fuchsias, assorted	3.00
Heliotrope, assorted	3.00
Chrysanthemums, assorted	3.00
Sword Ferns, 2½-in., $4.00; 3-in., $7.00 4-in.,	10.00
Asparagus P. Nanus, 2-in., $5; 3 in., $8; 4 in.,	15.00
Pteris and Selaginella Ferns, 3-in., $5 and	6.00
Adiantum Cuneatum, 3-in., $6; 4-in	8.00
Cannas, 3 and 4 in	4 00
Alyssum, Double Tom Thumb	3.00

Write for complete list of plants, with varieties, also Tree and Plant Labels, Mailing and Express Boxes, and a general line of Florists' Supplies.

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ASPARAGUS SPRENGERI, fine plants, 2½-in. pot.....................................$4 per 100
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				Pots	Per doz.	Per 100
Kentia Belmoreana				3-in.	$3.00	$23.00
"	"			4-in.	5.00	40.00
		Size Pots.	Char. Leaves.	High.		
"	"	5,	5-7	18-24,	$9-$12	$70-$90
"	"	6,	7 8	20-25,	18	144
"	"	7,	7-8	36-40,	30-36	240-290
Kentia Forsleriana,		3-in. $2 50 per doz.; $20 per 100				
"	"	4 in. $5.00		"	$35	"
"	"	5,	5-6	24-30,	$9-$12	$75-$95
"	"	6,	7 8	25 30,	18	144
"	"	7,	7 8	35-42,	28-30	225
"	"	8-9	7 8	$3.00 to $4.00 each.		
Latania Borbonica, 2½-in.					.60	5.00
"	"	3-in.			1.25	10.00
"	"	4-in.			3.00	23.00
"	"	5,	5-8	15-20,	5.00	40.00
"	"	6,	6-8	16 24,	8.50	65.00
"	"	7,	6-8	18-24,	12.00	90.00
"	"	8,	7 8	28-34,	22 00	175.00
"	"	9,	7-9	28 36,	34 00	272.00

Ficus Elastica 5 inch, doz. $5.00; 6-in. $8.00 doz.
Livistona Rotundifolia, 7 in., 12-14 leaves, $2.50 to $3.00 each. **Pandanus Veitchii,** 4-in. to 14-in., 50c to $10 each. **Boston Ferns,** 5c to $2.00 each. **Cycas, Dracænas. Asparagus,** etc., in large variety.
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ESTABLISHED 1884.

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ACERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1 00 per 100; 1¾-in. pots $1.50 per 100.
GIANT ALYSSUM, $1 00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100
HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot $1 5 per 100.
CUPHEA (Cigar Plant). $1.00 per 100.
FUCHSIAS $1.50 per 100 2½-in pots, $2 50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per M ; 2-in. pot, $2.00 per 100.
VINCAS, $1.25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M Fine plants.
The above are rooted cuttings, except when noted.
CASH MUST ACCOMPANY ALL ORDERS.

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Crimson Verschaffeltii, Golden Bedder and Golden Queen, 75c per 100 $6.00 per 1000, Coleus in variety, 60c per 100; $5 00 per 1000 Special price on large orders.

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Ageratum Princess Pauline	75 "
Giant Sweet Alyssum	.60 "
Heliotropes, 12 varieties	1 00 "
Heliotropes 2 inch pots	2.00 "
Salvias Splendens and Bedman	1 00 "

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A cross between the yellow and white, is a constant bloomer, flowers four to five inches in diameter: fine for cut flowers, will keep for two weeks after being cut. Center half yellow, outer half pure white. Makes a fine pot plant. Will send free by mail 12 plants for $1.25; 6 plants 75c.
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BEGONIA INCARNATA An improved form of this valuable flowering plant for Christmas. Plants in 2-in. pots, $8 00 per 100

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Geraniums, splendid assortment of best bedding varieties, $3.00 per 100, $25 00 per 1000.

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Allamanda Williamsi	8 00
Begonia Rex	5.00
Begonia Manicata Aurea	5 00
Cobœa Scandens	4 00
Coleus in variety	2.50
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Everblooming Roses—Large stock C. Soupert, Mosella, Champion of the World, Etoile de Lyon, Hermosa and 50 other best bedding varieties, $3 00 per 100, $25.00 per 1000.

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M. Niel	2.50

Strong 2 yr. old Field Grown Roses.

Hybrid Perpetuals in variety	$10 00
Hardy Climbers in variety	8 00
Crimson Rambler, very strong	15.00
Wichuraiana	6.00
Wichuraiana Hybrids	8.00

Rhododendrons, extra fine stock well set with buds, 15 to 18-in., $7 00. 18 to 24-in., $9.00; and 24 to 30-in., $12 per dozen
Azalea Mollis, strong bushy plants, $35 per 100.

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DORMANT CANNAS.

Now is the time to start up your Cannas.

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FLORENCE VAUGHAN	$4.00	BURBANK	3 00
CHAS HENDERSON	4.00	AUSTRIA	2 00
LEONARD VAUGHAN	5.00	PRESIDENT McKINLEY	4.00
MLLE. BERAT	4.00	MIXED BULBS	2.00
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We can supply many other sorts in 3-inch pot plants. Write for prices.

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THE CHOICEST VARIETIES IN CULTIVATION.

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NO RUST OR MILDEW.

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Plants from 3½-in. pots,

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2¼-in. fine, strong plants, ready to cut cuttings from; $1.50 per 100. Fine selected Rooted Cuttings, 80 cts. per 100. C. WINTERICH, Defiance, O.

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Do you want some fine novelties, or are the older, well tested ones good enough? I have both My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Pæonies. Write for catalogue and price list.

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LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100 $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

PEPPER, small plants for transplanting, in several varieties; 25c per 100; $2.00 per 1000. Add 10c per 100 if by mail.

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CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

Toronto.

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At the horticultural society's meeting Thomas Manton read an instructive essay on palms. An informality having been discovered in the election of two of the directors, creating two vacancies, an election to fill these will take place at the next meeting.

Wm. Jay, Sr., has been under the weather with grippe for several weeks, but is getting better. S. P.

Gold Standard Value

Represents quality of stock listed below:

25,000 2½-inch ROSES—Brides, Meteors, Maids and Perles, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first class.

25,000 CARNATIONS—Rooted cuttings, selected cuttings only, well-rooted, 25 choicest up-to-date varieties, standards, $7.50 per 1000. Be sure and see our list before buying.

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FUCHSIAS—10,000 strong rooted cuttings, 10 choicest varieties, $1.00 per 100 while they last, strong 2½-inch in 4 varieties, 3c.; 2-inch 2c.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000.

Geraniums, sweet-scented, strong 2½-inch 2½ cents; strong 2-inch, 2 cents. Mme. Salleroi, strong 2-in., at $2.00 per 100.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Salvia Splendens, no other so good, $1.00 per 100. Extra strong, 2½-inch, $2.00 per 100.

Smilax, strong, 2-inch, $1.00 per 100; $8.00 per 1000. Strong seedlings, 50c per 100, $4.00 per 1000 by mail. Double extra strong, 2-inch, $1.25 per 100, $10.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, 2-inch, $2.00; strong rooted cuttings, $1.00 per 100.

Vincas, Major and Variegata, strong 2½-in., 3c; strong 2-in., 2½c.

Marguerites, New Giant White, a grand sort, and New Golden, strong 2½-in., 2½c; strong rooted cuttings, $1.00 per 100

Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

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THE BEST CARNATIONS.

	Per 100	Per 1000
White Cloud, the best white	$3.00	$25.00
Mrs. Joost, best clear pink	3.00	25.00
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Gen'l Maceo, best dark crimson	6.00	50.00
Mrs. Bradt, best variegated	4.00	35.00

12 Novelties of 1900. 27 the best Standard varieties. ☞ Send for complete list.

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Universal Insecticide

For Flowers, Trees and Animals.

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THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c; all polished copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.

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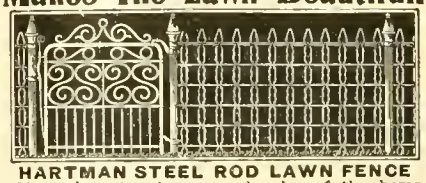

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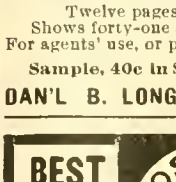

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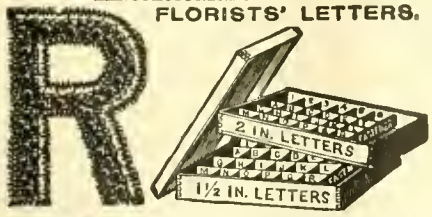

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Block Letters, 1½ or 2-inch size, per 100, $2.00.
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Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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Made for my own use and the use of other Florists who want a good article. Try a bag now and be convinced.....
$3 50 per 200-lb. bag, and $35.00 per ton.
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I have now on hand a large quantity of AI SHEEP MANURE. Send for Price List and Sample.
Best Fertilizer for Top Dressing.
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The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

St. Paul.

SPRING COMES IN A DAY.—PLANTSMEN HAVE FAIR SUCCESS.—CUT FLOWERS SCARCE —HANSEN'S LOSS THOUSANDS OF DOLLARS.

Spring came in with a rush last week, melting the snow and ice and changing mud into dust in a twinkling Such sudden changes keep everybody busy shifting stock, most of which is in prime condition for retailing. Still some growers have missed it again and their lilies will not be in on time, but I think there will be enough good plants for the demand, with the possible exception of azaleas.

In cut flowers there will be a shortage in everything save violets, of which there seems to be a bountiful supply. Carnations are off crop, while roses are short in number. Wholesale prices are well maintained and unless all signs fail this Easter will be the best on record.

Christ. Hansen, who lost nearly all of his stock owing to a leaky gas pipe in front of his premises, thinks he has a good claim against the gas company for his loss, which will reach thousands of dollars.

All of the traveling fraternity report good sales. A wonderful impetus has been given trade the past year. FELIX.

VINCENNES, IND.—The greenhouse property on the corner of First and Shelby streets, has been disposed of by J. A. Balmer to C. Schultz.

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1500 2½ "	" 6.00	48	9 "	" 3 60
1000 3 "	" 5 00	48	10 "	" 4.80
800 3½ "	" 5.80	24	11 "	" 3.60
500 4 "	" 4 50	24	12 "	" 4 80
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RICHMOND, IND.

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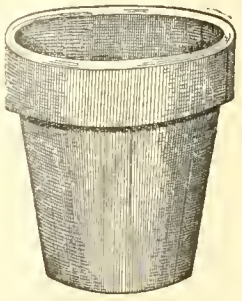

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3 -inch, "	4.70	6 -inch, "	16.50

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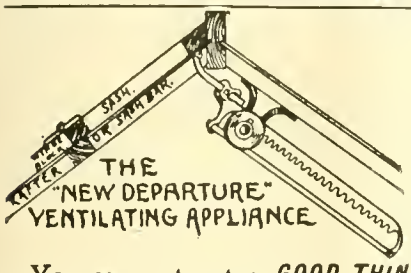

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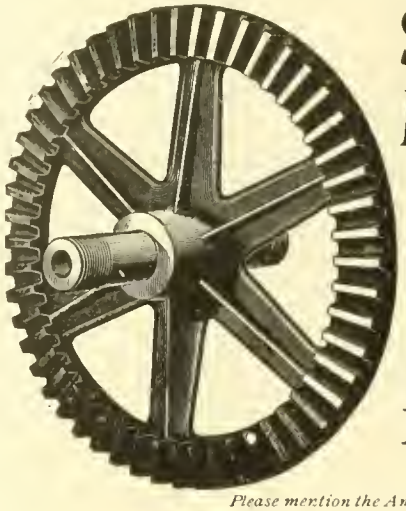

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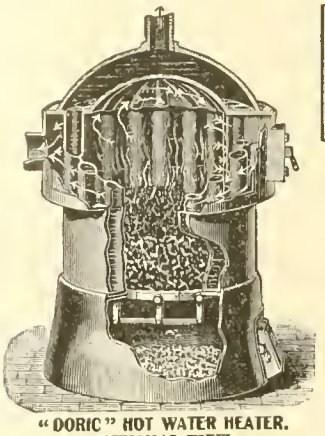

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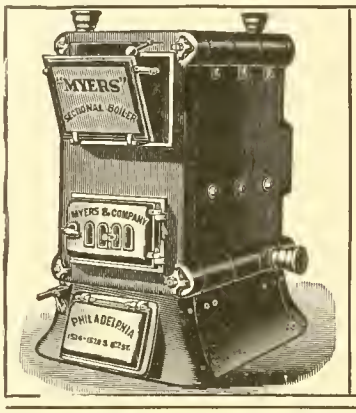

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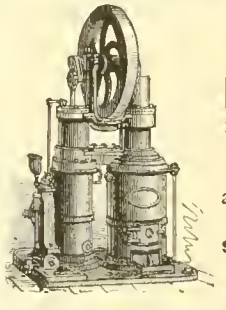

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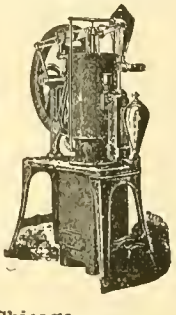

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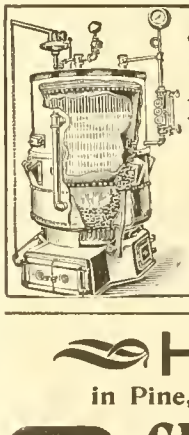

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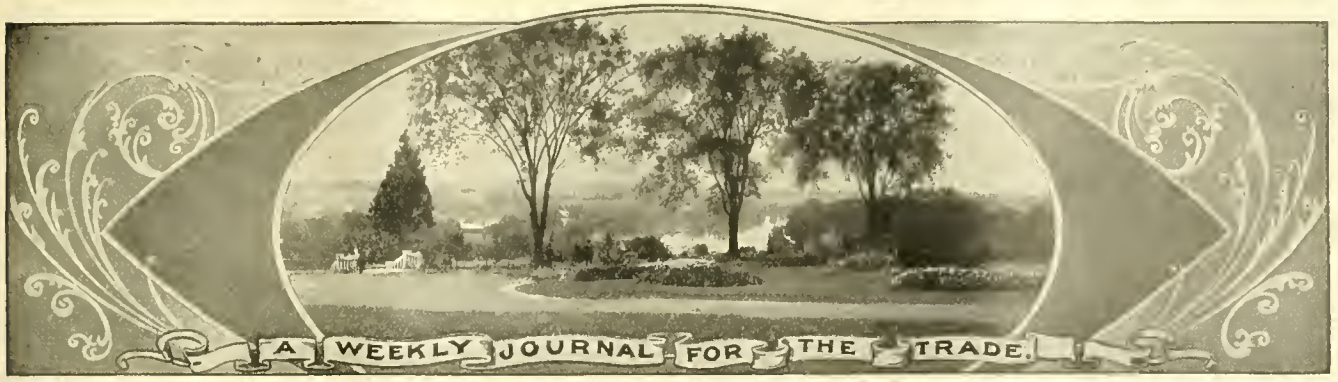

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XV. **CHICAGO AND NEW YORK, APRIL 21, 1900.** **No. 620.**

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THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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THE EASTER TRADE.

In comparing the Easter trade with that of a year ago it should be borne in mind that the Easter of 1899 was very generally the best ever known. Viewed in this light the reports which have come in this week, covering, as they do, the principal cities of the United States and Canada, show the flower trade to be in the most flourishing condition in its history. There are many points upon which the reports are practically unanimous. In the first place few fail to show the heaviest sales on record; then they practically agree upon the increasing popularity of flowering plants; in the matter of prices they show that the time is ripe for an advance, which in many localities, has already been made with success.

It is worthy of note that throughout almost the whole country the supply of Easter lilies was inadequate to meet the demand and that the call for carnations very generally exceeded the supply, with roses and violets moving as second choices and bulbous stock more salable than heretofore.

Outside the large cities, the centers of wealth, the demand for flowering plants of moderate price was very marked and every indication is that for next Easter there can be no more profitable investment. Lilies, azaleas and hyacinths were most in evidence but Crimson Ramblers, rhododendrons and hydrangeas were appreciated by the better trade.

A number of the reports are herewith presented:

TERRE HAUTE, IND.—J. G Heinl reports trade eclipsing even last Easter. There were enough plants but cut flowers were all short of the demand.

BANGOR, ME.—Adam Sekenger says cash sales increased one-third and that prices were higher. Every one was short of azaleas, lilies and pinks.

GRAND RAPIDS, MICH.—J. A. Creelman says Easter was the best on record. Everything sold, especially plants, and lilies were far short of demand.

OMAHA, NEB.—Hess & Swoboda estimate the increase as six per cent. There was enough stock. Lilies sold extra well. Carnations were in strong demand.

BRATTLEBORO, VT.—Sales were fifteen per cent greater than a year ago with prices slightly higher on lilies and roses. The shortages were lily plants and carnations.

SAN FRANCISCO, CAL.—There was a slight increase according to the estimate of Serveau Bros. There were enough cut flowers and plenty of plants except lilies and violets.

OKLAHOMA CITY, OKLA.—Trade was a fourth heavier than last year and prices that much higher. There was a slight shortage all along the line. Carnations sold best of all.

PROVIDENCE, R. I.—Farquhar Macrae says this was the best season on record, sales being ten per cent larger, with prices advanced one-third. Carnations were very scarce and of plants everything sold. Potted Harrisii were plentiful but there was a shortage of tulips and narcissi.

SYRACUSE, N. Y.—L. E. Marquisee says trade was fifty per cent ahead of last year, with prices higher. There were not enough plants but sufficient cut flowers except carnations.

TRENTON, N. J.—C. Ribsam & Son estimate Easter trade at an increase of one-fourth; prices were better; there was not enough of anything. Lilies showed the greatest shortage.

OTTAWA, ONT.—John Graham says trade showed a thirty per cent increase. There were plants and sufficient cut stock except carnations and smilax. Lilies led the plant sales.

EVANSVILLE, IND.—Wm. Blackman says trade increased twenty per cent without an advance of prices. All cut flowers were short of demand but there were enough plants except lilies.

LONDON, ONT.—Trade was one-fifth heavier than at any previous Easter. There was enough stock. Every flowering plant had friends. Cut lilies and carnations were most in favor.

ADRIAN, MICH.—Nathan Smith & Son report the usual Easter experience. There were enough flowering plants except lilies and enough cut flowers other than carnations. Tulips were least salable.

ST. JOHNS, N. B.—H. S. Cruikshank found Easter about like its predecessor. Plant sales were rather slow and there were enough cut flowers except carnations. Lilies were the popular flower.

SPRINGFIELD, ILL.—The South Side Floral Company reports sales fifty per cent ahead of last year but at the same prices. The supply of cut flowers was inadequate but there were plants enough.

NEW LONDON, CONN.—John Spaulding says there was a slight increase over last Easter. Carnations were scarce and higher; lilies and azaleas were most in demand, but all cheap plants went quick.

CAMBRIDGE, MASS.—W. H. Murdock reports sales ahead of last year. More flowering plants might have been sold. All cut flowers went well. His new flowering begonias attracted much attention.

ST. PAUL, MINN.—C. Hansen found trade ten per cent better than last year, with stock enough of all kinds. Lilies were most in demand among plants and carnations among cut flowers. Azaleas sold slowly.

FAIRBURY, ILL.—John Milne & Son say sales increased thirty per cent and prices were much better. The greatest call was for Easter lilies but carnations, especially fancies, were in high favor. Violets were least salable.

BUCKSPORT, ME.—F. H. Moses says the Easter trade was greatly ahead of previous years and that supplies of cut flowers were inadequate, although prices did not advance. Pinks and roses were first choices.

WAVERLY, MD.—R. L. Graham states that there was stock enough for a fifteen per cent increase in sales with no rise of prices. Everything worth having was sold, however, roses and carnations being favored.

NEW BEDFORD, MASS.—E. S. Haskell says Easter was very like last year, prices better and not enough of anything. Azaleas and Harrisii were principally called for. Pinks were wanted, so were roses and violets.

ROCHESTER, N. Y.—J. B. Keller estimates sales as ahead of last year. The supply of cut flowers was rather ahead of demand except carnations and there were great numbers of flowering plants which sold clean.

NORFOLK, VA.—O. C. Ports says he sold everything at a twenty-five per cent advance over last year. There were not enough plants and not near enough cut blooms. Lilies and carnations were most in demand.

POUGHKEEPSIE, N. Y.—M. J. Lynch reports that retail trade showed a ten per cent increase There were plenty of plants except lilies and of cut flowers except carnations. Choice American Beauties sold slowly.

DAYTON, O.—J. B. Heiss reports everything about as usual at Easter except that Harrisii were very late with most growers, consequently very scarce and not nearly equal to the demand, either potted or as cut flowers.

NASHVILLE, TENN.—M. C. Dorris reports that Easter week was much larger than a year ago and that prices were considerably higher. Many more cut flowers could have been sold, especially American Beauties. There were a great many flowering plants and they all sold, but many buyers would have preferred lilies had they been obtainable. The tardy spring prevented the competition of outdoor flowers.

SPRINGFIELD, MO.—W. A. Challant says that sales were about as heavy as a year ago but would have been larger had stock held out. All plants were scarce, lilies and palms being most in demand. Of cut flowers lilies and roses were shortest.

RACINE, WIS.—A. J. Fidler says that his trade was three times that of a year ago and all the dealers report increased sales. Prices were higher but the demand for first-class stock exceeded the supply at all times. There were enough plants except ferns.

NASHUA, N. H.—Trade was thirty-five per cent ahead of last Easter by the estimate of August Gaedeke & Co. Prices were about as usual. There was a fine supply of flowering plants, all of which sold well, and cut flowers were just equal to the demand.

ATLANTA, GA.—The Brookwood Floral Company found trade sixty per cent ahead of last year without an increase of prices. There were plenty of plants but not enough cut flowers. Of the former lilies sold best, of the latter, carnations and roses.

TOLEDO, O.—The Easter increase is estimated at one-third by Geo. A. Heinl. Prices did not run high and there were enough cut flowers, carnations being most in demand. Of plants there were not enough of the leaders, lilies, Crimson Rambles and azaleas.

DESMOINES, IA.—There were cut flowers enough but all blooming plants were short of the supply, according to W. L. Morris, who estimates the increase of sales at twenty-five per cent. Pot plants of lilies were in particular demand but azaleas did not go as well as usual.

WATERBURY, CONN.—A. Dallas reports business and prices the same as last year with adequate stock for all calls. Azaleas and lilies sold best of plants and of cut flowers all lines were in demand, but there was the same old complaint of wholesalers sending out overkept stock.

NEWPORT, R. I.—Samuel Smith reports the supply of both plants and cut flowers adequate for a twenty-five per cent increase in the volume of sales without an increase in prices, which he thinks would, however, have been justified by the rise in price of all other commodities.

OSWEGO, N. Y.—W. N. Mattoon says that sales were about the same as last Easter but that prices were slightly higher on cut flowers. There were plenty of roses and violets but not enough carnations. Nearly all flowering plants sold readily and there was a shortage of salable Harrisii.

KOKOMO, IND.—Trade was heavier than at any previous Easter, W. W. Coles reporting an increase of 115 per cent. Prices were not advanced but cut flowers were scarce. Carnations were most in demand. There were enough plants except lilies; azaleas sold fairly well but spiræas were a drug.

LINCOLN, ILL.—W. H. Gullett & Son estimate the Easter business as exceeding last year's by thirty per cent. Prices were higher than usual on carnations and potted lilies, which were the shortages. In cut flowers there was little call for bulbous stock but potted hyacinths sold second only to lilies.

MINNEAPOLIS, MINN.—E. Nagel says that Easter sales were the heaviest ever known here and that prices on lilies and cut flowers were fifteen per cent higher than a year ago. Lilies, violets and carnations were all scarce. Of plants lilies and small hydrangeas were in greatest favor, azaleas going rather slowly.

LINCOLN, NEB.—C. H. Frey found sales thirty-five per cent greater than last year, with prices advanced twenty per cent. There were enough plants except lilies and azaleas and enough flowers except lilies and violets. The weather

STORE OF G. VOLK, MILWAUKEE, AT EASTER.

was so bad that longiflorums were backward and the Harrisii we so badly diseased that few were salable as pot plants.

WORCESTER, MASS.—There was increased sale for plants and less call for cut flowers, except carnations and violets. There were enough flowering plants except lilies. There was a light call for the best roses, but cheaper grades sold well. A. H. Lange says sales were twenty per cent ahead of last year.

PONTIAC, ILL.—The Easter sales are estimated, by W. J. Miller, as one-fourth heavier than a year ago. There were enough cut flowers although carnations were in particular demand. Decorative plants did not sell but all flowering stock moved, there bring a decided shortage of Easter lilies. Prices were better as a rule.

WHEELING, W. VA.—Max Hess says that for the best plants and cut flowers one could get his own price at Easter. Trade was one-fifth heavier than a year ago. There were plenty of cut flowers, carnations and roses being the only items in great demand, but of blooming plants the supply was short, everything selling well.

FORT WAYNE, IND.—This was the best Easter the trade ever had, Markey Bros. estimating the sales as twenty-five per cent ahead of last year, with prices at the same level. Of cut flowers carnations were short and among plants there were not enough Harrisii, but everything with a bloom sold. It was noticed that violets were not so much in demand as at last Easter.

TOPEKA, KANS.—The Bates Floral Company reports that, if anything, Easter sales were less than a year ago, owing to bad weather and decreased call for plants; prices were, however, higher on some lines. There was enough of everything, Easter lilies being about the only plants called for. Carnations led the cut flowers.

BRIDGEPORT, CONN.—James Horan & Son report that sales were greater than a year ago but that prices were lower and fewer cut flowers were used, the increase being on flowering plants. They say there was a plenty of everything, the principal call being for violet plants and hyacinths, and among cut stock for violets, pinks and roses.

UTICA, N. Y.—There was fifteen per cent increase in Easter sales as estimated by Wm. Mathews but prices were no higher than usual. There were enough plants except lilies, of which many were poor. Carnations were scarce, but there was enough in most other lines. The demand for orchids far exceeded the supply. Poor stock of any kind was not wanted.

PITTSFIELD, MASS.—The money value of sales was equal to last year, according to John White, who says carnations were the only item which brought higher prices, as they were the only shortage. Azaleas were most in demand of flowering plants. The number of longiflorums grown each year increases as Harrisii decreases and the ratio between pot plants and cut lilies follows the same scale.

BUTTE, MONT.—Law Bros. report that there was enough funeral work to exhaust the supply of cut flowers, to say nothing of supplying the Easter demand. As a result prices were higher and sales showed an increase of twenty-five per cent. Harrisii sold at $5 per dozen as against $4 last year and Beauties, which were $5 a year ago, brought double. Harrisii and azaleas were most in demand among plants.

EASTER PLANT OF ERICA CUPRESSINA AT KIFT'S, PHILADELPHIA.

ROSES.

GRUSS AN TEPLITZ RENAMED.

The new rose, Gruss an Teplitz, which has been noticed this season chiefly from a rumor that it was being foisted on the trade in place of Liberty, has been renamed. Dingee & Conard have purchased the stock from Lambert and will send it out under the name of Virginia R. Coxe. G. C. W.

TEMPERATURE FOR AMERICAN BEAUTY.

ED. AM. FLORIST:—Being a grower of American Beauty, I was naturally interested in the comments of "C. B. W." on the growing of that rose, which appeared in your columns a few weeks ago, and would like to ask him for figures as to the average night and day temperatures maintained by the leading growers of American Beauty, also what he considers the proper temperatures for it? Any light that can be thrown on the growing of this variety will be greatly appreciated by many florists. SUBSCRIBER.

In asking what I would consider the proper temperature for American Beauty, the correspondent evidently wishes a formula that will enable him to grow first-class Beauties without considering the matter in the light of varying conditions. If I were to give him such a formula it would be accompanied with the caution that he must read it carefully and not follow it too closely. The requirements are readable on the plants and are changeable.

The nearest that I can come to answering the question outlined above, and be consistent with my ideas, is to advise that the temperature should not be raised by artificial means above 50° from sunset to sunrise, unless one knows exactly why a slight rise would be beneficial. From sunrise to sunset the houses may be run about 10° higher than the night temperature, unless it is a cloudy day. The effect of the sun may be considered correct because it increases temperature when it gives the strongest light.

The sap which goes to build up the plant is obliged to rise from the roots to the foliage, where it undergoes a change caused by the action of light, and in its changed condition goes back to the stem and is distributed where needed.

The American Beauty's marked profusion of foliage, all along the stem up to and around the flower, is a fair indication that liberal supplies of such elaborated sap are necessary. It a temperature is maintained out of proportion to the light the canes must be more slender, the foliage less perfect; the plant cannot stand still in the heat or build strongly without sufficient material. Another matter for consideration is that each cane produces a flower, leaving but little foliage besides that required by each individual stem. The canes are cut long, so that cutting two or three flowers from a plant within a few days is giving the plant a severe pruning, leaving the working power of the roots overbalancing the capacity of the foliage. This causes the new shoots to develop on the "water-spout" or "sucker" order. This is always the result when the foliage of a healthy plant is reduced too greatly. Then come the long, slender shoots, with scarcely any leaves, and things go from bad to worse until the sun becomes so powerful as to accomplish the necessary changes through the lessened amount of foliage.

This matter of light seems to be too little considered by growers and the results of their labor must be largely a matter of chance until it is thought as much of as are heat and water. The change in the power of light is forcibly illustrated by practice in photography. A plate that requires one second exposure at noon-time in July may require five seconds at the same hour in December in order to get the same quality of picture; you can see that the average time would never make a perfect picture; averages will not do. C. B. W.

CARNATIONS.

SLEEPY CARNATIONS.

Some time ago I noticed an article in one of the trade papers, from a St. Louis correspondent, in reference to some carnations that had been sent to Texas, the receiver writing that they were asleep when the box was opened. The commission dealer seemed to doubt the man's word, stating it was fresh stock and that these complaints came from men who had open accounts and not from C. O. D. parties. We want to say a word in favor of the Texas man. We have been receiving carnations for years from a reliable Chicago firm, and up to this year they have given entire satisfaction; but this year every shipment either comes in asleep or the blooms go that way in six or eight hours. Our loss has been so heavy that we have had to discontinue our regular shipments and only buy when we have orders that will move the flowers as soon as received. In no case are they salable the next morning. The fault must be with the growers, and if there is not a remedy the carnation will cease to be a shipping flower for any long distance.

Little Rock, Ark. D. M. TIPTON.

BURSTED CALYXES.

ED. AM. FLORIST:—Please advise me as to the cause of bursted carnation calyxes, also remedy. My plants have been kept at a night temperature of 45° to 50°, and 65° to 75° by day. The soil has been kept moist but not "soggy." The plants look well and, with the exception of the above trouble, they are doing well, the only variety not effected being Daybreak. McGowan, Scott and Emily Pierson are doing the worst, from fifty to seventy-five per cent bursting. A. G.

Bursted calyxes and rust seem to be evils constantly recurring with all carnation growers and the only remedy for either is good culture and as even a temperature as it is possible to maintain. Daybreak with many growers, shows a decided tendency to burst and the only reason why it does well for the correspondent is that the temperature given is about right for it, while it is not quite high enough for McGowan and Scott, both of which will be all the better for 55° of heat. Pierson I have never had experience with.

Allowing the plants to go without disbudding for a month or six weeks and then disbudding them closely will, in some instances, induce bursted calyxes, and not disbudding at all will also have a tendency that way. Another cause at this season of the year is that the sun is so much stronger than heretofore that the houses heat up, during the day, to 80° or 90° and the night temperature is not kept up in proportion. The result is that instead of the difference between night and day temperature being about 10°, which is the proper relation, it will be from 20° to 30° and almost any carnation will burst.

From the same cause, the bright sun, the growth of the plants is much more vigorous now than in the winter months and unless the watering and fertilizing is properly managed to meet the changed condition it will cause weak calyxes. Too much food in the soil, either in the shape of water or fertilizer, or too little, will have much the same effect, and this will have to be regulated and watched by each grower for himself.

ALBERT M. HERR.

RICHMOND, IND.—E. G. Hill & Co. are preparing to erect two 400-foot houses for their new roses.

PARIS, ILL.—John A. Helfrich, foreman for the M. A. Hunt Floral Co., of Terre Haute, Ind., has purchased the plant of Caldwell & Company here, taking possession April 6.

New York.

EASTER PATRONAGE FAVORS PLANTS.—CUT FLOWERS OF SECONDARY VALUE.—LARGE VARIETY OF FLOWERING MATERIAL.—CUT FLOWERS ABUNDANT.—SHIPPING TRADE LIGHT.—VARYING REPORTS AS TO THE EASTER SALES.—A FINE WEDDING DECORATION.—OTHER NOTES OF INTEREST.

As anticipated, the Easter patronage went strongly to plants in this city and flowers had to take second place. Regarding the plant trade, however, the reports from the leading retail stores are quite conflicting in comparing this year's experience with that of last year, some claiming a substantial increase, the majority stating that no difference had been noted, and a few recording an actual decrease. This latter condition is accounted for, in part, by the lateness of Easter this year and the absence abroad of many of the best buyers, which looks reasonable enough, as the adverse reports come from establishments catering to the higher class of society. Then, again, many more stores were devoted to the plant trade than heretofore, thus subdividing the business and cutting down selling prices, and the older establishments felt the effect. It was further noted, and quite generally, that the very large and costly plants were not called for and that small specimens and moderate priced arrangements were much more popular, even with buyers of abundant means. The plant growers feel jubilant over their success, having been all cleared out, in advance, of everything that was ready and the stock left unsold is not their loss. There did not appear to be any shortage in any special line excepting that azaleas in the smaller sizes were disposed of early and a good many more could have been sold. One observant retailer expressed the opinion that the popularity of azaleas and rhododendrons as Easter plants had been seriously impaired by their abundance all through the season, the florists' windows having displayed them continuously since Christmas.

Contrary to general predictions there were fully as many lilies as this market could assimilate and the higher advance prices were not maintained. While hardly up to the high grade indicated by stock inspected two weeks before Easter,

STORE OF J. LOUIS LOOSE, WASHINGTON, D. C., AT EASTER.

it is yet true that the average quality of the lilies offered was above the ordinary. The plants were uniform and of moderate height throughout. Hydrangeas were superb, stocky and with noble trusses of bloom. Crimson Ramblers made a great run but will never again bring the top prices which the growers got this year. Nothing in the market could compare with the boronias for graceful beauty. They were in the new fashioned, short pots, as were also some of the ericas, primulas, etc., and were greatly admired. The cool weather favored the violets; they were Lady Campbell variety invariably and sent in mostly in paper pots. Hyacinths were quite abundant and sold well. Genistas were well done everywhere but not very abundant. Acacias were better than ever before. Bougainvilleas, hybrid roses, cinerarias, deutzias and primulas were seen occasionally and a few Dendrobium nobile in bloom were an acceptable novelty. Pot covers of various material were universally used and ribbons were put upon almost every plant sent out, usually in good taste. Very little tissue paper was used and that mostly in establishments of the second class. Hampers, zinc-lined, were made use of more than ever before, being of all sizes from the diminutive violet hamper up to the receptacle big enough to accommodate half a dozen good sized azalea plants. The lower priced ones, however, sold most readily. Ferns and foliage plants were conspicuously absent from the Easter displays and were not called for.

The cut flower trade was decidely slow until Saturday, and up to that time the wholesalers were very despondent. The smaller retail stores report a very satisfactory cut flower demand, better in fact, than for some years past, but in some of the large, fashionable establishments a slight falling off was reported. The retailers speak favorably, as a rule, of the quality of the cut flowers as received by them. Those wholesalers who have been accustomed to do a large shipping trade, found this branch of their business seriously diminished this year. Those who cater more to suburban and short distance shipping, report a very satisfactory demand. Pickled stock was not in evidence as much as formerly, most of the material coming in fresh and clean. Whatever there was of aged stock was promptly discovered and treated accordingly. Roses, as usual, were the worst aggressors.

The retail stores refrained from ordering many cut flowers in advance, depending upon getting all they would require at short notice, and this they had no trouble in doing, although at the finish there developed a moderate pinch on special Bridesmaids, Brunners, Jacqs and high grade Beauties. Carnations sold well all through, all grades being disposed of readily and at top figures, Daybreak, whites and some varieties of red only showing any weakness. Bulbous stock, with the exception of lily of the valley, moved with exasperating slowness and at prices that a few years ago would have been declared ruinous. On Brides of all grades, on some classes of Beauty, on mignonette, low grade violets and lilies, and asparagus there was also much difficulty to find buyers at any price, and low grade roses of all varieties had a similar experience. The quantity of violets received exceeded all past holiday records, but owing to the reasonable figures quoted on them and the favorable weather for wearing them, they sold out satisfactorily when the quality justified. The selling qualities of Beauty were seriously obstructed by the presence of so many good Brunners in the market. Callas brought better figures than lilies, for once. A few handsome larkspurs were the only cut flower novelty noted.

Alex. McConnell had a fine wedding decoration last Tuesday at Delmonico's. The ceremony was performed under a canopy of Bride roses and lily of the valley. The same flowers were used on the bride's table, while on the twenty-four guests' tables 500 Beauties were displayed.

The vases and little garden plots in front of hotels and many other buildings, are brilliant with hyacinths and pansies just now.

M. J. Lynch came down from Poughkeepsie the other day, minus his mustache, and had lots of fun with his friends, none of whom recognized him.

Bobbink & Atkins received a shipment of 400 bay trees on the steamship Westernland.

Forty thousand trees are being set out this spring in Riverside Park.

John Young had a consignment of cypripediums for Easter, the only ones in town.

Visitors: E. D. Shaw, Holyoke, Mass; Sam. Goldring, Albany.

Boston.

STORY OF THE BUSIEST EASTER NEW ENGLAND EVER EXPERIENCED.—PLANTSMEN AND CUT FLOWER GROWERS ARM IN ARM IN PROSPERITY.—VAST NUMBERS OF LILIES SOLD.—CARNATIONS NOT SO SCARCE AS PREDICTED.—SPRING APPARENT IN THE SHRUBBERIES.—NOTES OF THE EARLY BLOOMERS.—DAWSONS GO TO ITALY.

The first decisive returns from the great Easter campaign began to materialize early in the week preceding Sunday, from the plant growers, who, as orders came pouring in and shipments went out, were then commencing to realize the sweeping success they had made, and as, day after day, the demand kept increasing until finally everything was exhausted and it was impossible to supply any more, then the feelings of anxiety which, throughout the long weeks of preparation, had been the plant growers' constant companion, vanished and gave way to an elation such as is seldom witnessed in conservative Boston floriculture. To the retailer and the wholesale cut flower dealer the assurance of a prosperous outcome came later. Their task it was to shoulder, for the time being, the burden of responsibility which the grower had so exultantly cast off and it was well along towards the close of Saturday when the confidence inspired by the glorious weather matured finally to the full assurance of an unprecedented Easter triumph. It was a memorable occasion for the Boston and all New England florists and fully bore out the predictions of the most sanguine. The public responded to the Easter sentiment as never before, the outgoing trains and trolley cars on Saturday night reminding one of Thanksgiving eve, with the substitution of lily plants for turkeys! But, be it remembered, the Boston florists had sense enough to refrain from stuffing the local press reporters with the time-honored, inane yarns about the great scarcity of flowers and the frightfully high prices to be exacted by the florists at Easter. Let us hope we have seen the last of that stupid folly!

The plants offered in this market were of the usual Easter variety, lilies, Rambler roses, azaleas and astilbes predominating. There were no novelties worth enumerating and the average quality of everything was good. Lilies were available in vast numbers, the greater part being longiflorums of moderate height and bloomed to a nicety. The receipts of these were so enormous that it seemed on Friday and Saturday morning as though it would not be possible to market them all, but these fears proved to be groundless. A tour through the leading retail stores in this city failed to reveal the use of a single ribbon, fancy hamper or tissue paper wrapper and very few pot covers, plain flower pots being the almost invariable rule. Some growers had, however, adopted the low, wide shaped pots for primroses, violets and such subjects, with pleasing effect.

The supply of cut flowers was fairly equal to the demand. Of some sorts more might have been sold, could they have been obtained; with some other things the prices realized by the wholesalers would have been better had the growers sent them in as fast as ready instead of hoarding them up for Saturday's shipments, and at the close a few lots of various things, principally white, were left unsold, but all this represents such a trifling proportion in the grand total of the stock handled satisfactorily that it is hardly worth recording except for the purpose of warning the growers of these goods against the forcing for future Easter occasions of quantities of white stock and astilbe, which people are glad to get at Decoration day but have no use for at Easter. It can be stated without fear of contradiction that the number of violets sold here exceeded by far that of any previous occasion, the perfect weather accelerating their demand for street wear. Carnations did not quite hold up to the high figures anticipated by many, neither were they as scarce at the end of the week as they were for several days previous and a good many white ones of "so-so" quality were unloaded at about one-half quoted prices, at the market on Saturday morning, by growers who had been accumulating them in the antiquated way, who will probably continue to do so as long as they live and upon whom sympathy and advice are alike wasted.

The warm spring days are starting the bushes into growth and the nursery rows and plantations at the Arnold Arboretum begin once more to be a potent attraction to tree lovers. Cornus Mas is a cloud of yellow and the bees are holding a carnival among the bloom. Cornus officinalis from Japan is already nearly gone, being the earliest to bloom. Dirca palustris is just opening its yellow tassels and Erica carnea is covered with pink bells. This is the hardiest of the heaths. Others, ordinarily hardy, such as Calluna vulgaris, have suffered very severely from the past winter, which, although classed as a mild season, seems to have done great damage to late growing varieties that failed to get thoroughly ripened up in the fall. Pyrus Japonica will have but few flowers this spring, the warm weather in December having thrown it almost into bloom and left the buds powerless to resist the subsequent cold. Prunus Davidiana is also a failure this year, showing only an occasional scattering flower among the blackened buds. Mr. Dawson has succeeded in striking a lot of fine grafts of Hale's paper shell hickory.

Walter Dawson has been given a leave of absence from his duties at the University of Pennsylvania and sails for Italy

on Saturday of this week, where he will be joined by his brother, Fred., in June, who goes to study Italian landscape gardening.

McCarthy's importation of nursery stock is superb, certainly the finest ever seen here and worthy of inspection before the sales of next Tuesday and Friday.

Richard Welch has a case in court against the Roxbury Gaslight Co., for injury to plants and flowers in his greenhouses, owing to an alleged leak in the gas pipes.

The four greenhouses with their contents, recently occupied by Donald McRea were auctioned off at sheriff's sale on April 17.

Mayflowers are in and the boys and girls from the country have been selling them on the street corners for the past week.

Philadelphia.

EASTER THE GREATEST OF THE FLOWER FESTIVALS —THE WIDE USE OF MATERIAL IN THE CITY OF BROTHERLY LOVE.—AN ESTIMATE OF THE VOLUME OF BUSINESS. —NOTES ON THE STOCK IN MARKET.— LILIES STILL THE LEADER.—FEW PLANTS LEFT OVER.—PLENTY OF CUT FLOWERS. —A TRICK WITH CARNATIONS —WITH THE GROWERS —PERSONAL JOTTINGS.

Easter is undoubtedly the supreme flower festival of the year. All the world and his wife, Christian and pagan, just and unjust, unite in celebrating it, and in Philadelphia this year's observance has been more pronounced and enthusiastic than ever. The business done by the florists was enormous. In addition to the regular flower shops, annexes innumerable appeared as if by magic, the farmers' markets blossomed out, and the highways and byways of the city were gay with flowering plants.

Out the Ridge Road was almost a continual flower show. The street was lined with stands, one might say, for nearly every block had its patch of color, and some of them half a dozen. Every other man or woman carried a pot or two of flowering plants—a glorious procession of beauty and fragrance extending for miles and reaching its climax at the gates of Laurel Hill, where the Westcott brothers, their sons and satellites held forth. When I looked in there on Saturday afternoon customers were six deep in all directions and the big establishment was being taxed to its utmost to supply their wants. There was no sign of the redoubtable Commodore himself. Someone pointed in the direction of a crowd at the far end of the biggest greenhouse. That indicated that the fish were biting and in danger of swamping the boat if the Commodore didn't watch out. I took a hurried look through the houses. It seemed as if a cyclone had struck their contents and blown much fine gold and silver into the treasury. I did finally get a glimpse of the Commodore. He was talking to a fine lady in her carriage, the footman obligingly holding the door open. When such a cool wind blows, the place for one's hat is on the top of one's head. That's what you would naturally think, but one old gallant we know would catch pneumonia or any other old thing rather than fail in due observance of the rules of polite society. I admire the courage and the fine disregard of consequences but, like the coward who ran away, I would rather have people say "there he is," than "there he goes."

The Ridge Road is mentioned as typical of the situation on all the main thoroughfares of the city. Easter week was certainly the florists' harvest. I have heard several guesses at the gross amount of business done, ranging all the way from a hundred thousand to a million, but there's no getting anywhere near the truth in that connection. If I ventured a guess myself I should say a quarter million. Take your choice. Wouldn't it be interesting to know what the amount will be one hundred years from now? I can imagine the smile of some antiquarian of the next century when he looks over his file of the AMERICAN FLORIST and finds how big we thought we were when we figured using a million dollars' worth of flowers at Easter!

I do not remember noticing any decided novelties this year. Easter lilies were as popular as ever and sold out pretty clean. Several growers had batches about a week behind time. These would all have sold at good figures had they been in. There were also some lots of the "sawed-off" strain that held fire a bit but they mostly all found homes in the end. One of the big department stores had to withdraw lilies from their advertisement for want of stock and one of the principal up-town florists told me he sent all over for more lilies Saturday afternoon and couldn't find any.

The big plants of azaleas did not sell quite so well this year, but the medium and smaller plants had a fine run. Harris's stock of these was exceptionally well done this year, among it being some plants of Flambeau three to four feet in diameter that were simply glorious! Vander Cruysen is still the most popular of all the azaleas, about eight to every ten sold being of that variety.

Crimson Ramblers sold well, there being but few good plants of these left over. Craig & Son sent in a grand lot of shapely, well-foliaged plants with flowers of a fine, deep color that indicated much intelligent care in cultivation. I did not see any of the Pink, White or Yellow Ramblers this year. Presumably they have proved disappointing as an Easter plant and have been discarded. Hybrid roses in pots were in good demand. One of the best lots I saw came from Jacob Becker's and another well done batch was credited to Robert Scott & Son.

Bougainvillea Sanderiana made a fine show in all the first-class stores and sold moderately well. I saw some Sunday morning at Fox's Broad street establishment that had dropped their leaves badly. A plant that would go to pieces so quickly as that is not fit to sell. To send out such stock is an outrage on a customer, and is little better than robbery. Like the hydrangea it needs lots of water and that might account for some of the trouble, although undue forcing is most likely the main defect. Hydrangeas were more in favor this year. Big specimens had the call even in preference to azaleas of the same size. They seem to be regaining some of their lost popularity, as is also the genista, the latter having gone much better this season.

Pots and pans of hyacinths, tulips, daffodils, lily of the valley, etc., had an enormous sale and were of excellent quality, notwithstanding the unpromising look of the bulbs last fall. This class of stock is indispensable in supplying the immense demand for small-priced Easter plants, and their popularity this year is as great if not greater than ever. Some very pretty effects were observed where these subjects were used in made up baskets in conjunction with ferns, small palms, heaths, etc.

The sale of cut flowers did not rise above the normal Easter tide. There was plenty of everything, excepting carnations. That divine flower doubled and trebled in price and yet when the rush was over on Sunday morning there were lots of carnation flowers left over. The commission men who control this item worked the scare very shrewdly and unloaded at high prices on some of the smart young men who do the buying for the retail shops. Some of these alleged "smart" young buyers do not seem to have tumbled to the idea that it is best to buy sparingly when fireworks are on. Customers are liable to switch off on something else rather than be robbed.

George Anderson had a dandy house of Brunners ready on the nick of time and these sold well. They would probably have brought more money if there hadn't been others around, but John Burton came in with a house and Myers, of Glenside, with another and there were rumors of consignments from New York, so the situation had to be faced with moderate prices. Anderson's lilies were the best lot I have seen in my travels this Easter, all Japanese stock. George is still as adamantine as ever that it's all the growers' fault that the lilies don't come right. Bulbs have nothing to do with it. I suppose the only thing to convince him will be a failure on his part some fine day. However, he persists with singular pertinacity in getting them in all right every year.

On the whole I think the nearest approach to an Easter plant novelty this year is the erica. Of course it is not really a novelty but to many or most of the flower buying public it has all the attributes of a novelty. Heretofore the supply has been limited. This year there has been a big increase in the supply and twenty-five-cent plants were snapped up eagerly at a dollar, with other grades in proportion. The daintiest of all is the cupressina and it was picked up first, but all sold well, fragrans, Cavendishiana, persoluta, Mediterranea and translucens being the sorts most seen. Yes, they were sold as "the real Scottish heather" of course. Not such a heinous sin that, however, when you consider how many kilties there are in Bloomfontein at present. One of the stores had the good taste to say "Heather from South Africa" on the card in the window. That's better and just as effective as a catchword.

Why hasn't Mr. Grigg thought of this, "Good Queen Bess's favorite flower," for the genista? The broom was the emblem of the Plantagents. I expect a sprig of his genuine fragrant English wallflower for my buttonhole for that suggestion the next time I pass the Century Flower Shop. Its many a long day since I had a whiff of that delightful spring-time odor and it pleased me much when I came on a batch of it there on Saturday night.

They tell me it's the country florists mostly, who read the city notes in these columns. If that's the case I want to ask them if they know how the big growers in a large city put in their time Easter week? Probably they imagine they work like beavers until 2 a. m. and get up again at six, just as is done in the country; not them! If you see an oak-leaf you can imagine what an oak tree is like so I will give you just one little leaflet. I met four of the big nabobs at a quarter to eleven Saturday night; one was from West Philadelphia, one from Germantown, one from Chestnut Hill, the other from out Darby way. It seems they had occupied a box at the opera

house all to themselves and had listened with huge delight to a blood-curdling tragedy of Nero's time, gloating particularly over the scenes where the wild beasts tore their human victims to pieces in the Roman arena until the place was swamped with blood and the walls spattered with gore. That sounds awful and yet what more natural place to find these cold blooded nabobs and pirates who had wrung the souls of the poor storemen in the early part of the week with blood curdling prices for their stock. I suggested some such reflection to the group and they had the audacity to pretend that they were all the most tender hearted of men. One of them pointed as proof to the fact that he had stopped shooting live pigeons because he reflected that he wouldn't like it himself if he were the pigeon. Another put forward the plea that he must also be tender because his early years were spent in a religious book store. The West Philadelphia man was a philosophic savage and he claimed it was all in the point of view. If a man was up in a balloon and fell down in the forest and was torn to pieces by tigers we would say what a calamity, but the the tigers would say what a godsend! From that point they proceeded to predestination, fore-knowledge, Darwin, Herbert Spencer, Burns and general goodness. But the pirate and the savage was there all the same, although hidden under this philosophic cloak. So take warning, my trusting country friends, and be on your guard when you come to town on buying bent.

R. A. Stewart has moved to a temporary location on Thirteenth street. He will return to his old stand, Thirteenth and Walnut, as soon as the new building is completed, where he will have more room and enlarged facilities generally. Mr. Stewart has been a success as a retail florist and has built up a snug little business in a quiet way. He has hosts of well wishers in the trade who are glad to see him prosper.

We had a call this week from John M. Hughes, well known as the superintendent at Wooton when Mr. Childs was alive. He is now occupying a similar position in Montour county, this state. Other callers this week were Mr. Koster, Boskoop, and Mr. Hughenholtz, Haarlem.

The wife of James M. Thoirs, the popular Camden florist, and their three children sail on the 21st inst. for a European trip. They will be gone six months.

Robert Kift is recovering. He has had a halcyon and vociferous time the past week and is now slowly recuperating. By next week the wreck will be cleared away and you may look for his weekly letter as usual. It will of course be a mirror of purity, a meridian blaze of prudence and full moon of discretion, as "R. B." would say, and entirely unlike the lucubrations that proceed from the glimmering understanding of, yours to command, GEORGE C. WATSON.

HOULTON, Me.—Carl Beers, of Bangor, has opened a branch establishment in this town.

SHREWSBURY, MASS.—A fire in the forcing houses of E. A. Bartlett caused a damage of about $200 on the morning of March 28.

MOORESTOWN, N. J.—The boiler room at Horace Brown's establishment was destroyed by a recent fire supposed to have been of incendiary origin.

Chicago.

RESUME OF THE EASTER SUPPLY AND DEMAND.—MANY MISCALCULATIONS ON THE CUT AVAILABLE.—LILIES FAR SHORT OF THE CALL.—REMARKABLE LACK OF GOOD FLOWERING PLANTS—SEEN AT THE PRINCIPAL RETAIL STORES—REINBERG'S BUILDING OPERATIONS.—FUCHS SELLS OUT.—JOTTINGS.

There can be no argument; the lily's the thing at Easter. Those who predicted an abundant supply for this year, and the opinion was very generaal, as witness the low early quotations, were far amiss in their calculations and usually out of pocket. There were nowhere near enough, either of pot plants or cut flowers. A week before Easter it was possible to place orders at $90 per thousand; the day before Easter it was hard work to find lilies at $2 a dozen and a few small lots brought $2.50. The demand was never heavier. Undoubtedly the miserable weather of the week had some influence upon the supply, as it did on all other lines, but there were other miscalculations in this truly remarkable season. Nearly everyone figured on fair cuts of roses and a considerable shortage of carnations, but it turned out to be just the other way. As a matter of fact there was not stock enough of any kind and nearly every wholesaler was obliged to cut orders more or less, at least on some lines. It is generally conceded that there was not as much material available as a year ago but at the same time business was heavier than ever, the increase in sales bring due to the higher prices, which extended all along the line because of the scarcity of the items most in demand, the low grades being decidedly the gainer. There is less than the usual complaint of pickled stock. This week matters have quieted down to a considerable degree but the big houses are still selling $400 and $500 a day, with stock scarce and prices fairly well maintained in spite of the bad weather of the beginning of the week.

A tour of the principal retail places revealed some big stocks of bulbous plants but a remarkable lack of variety and of well-grown flowering plants of the better class. By far the finest of the Easter showings was that of C. A. Samuelson. His big window was curtained at the back and side with asparagus, while suspended from the ceiling were a dozen doves, swinging in the breezes of an invisable electric fan, each attached by narrow white satin ribbons to a chariot of white and gold loaded down with lilies. In the center and left of the window were fancy and birch-bark, egg-shaped baskets, the latter filled with baby primroses. The store was full of fine azaleas and exceptionally well-grown hydrangeas and the work room next door was crowded with potted lilies and bulbous stock, while the show case was overrunning with the best that the cut flower market affords. One of Mangel's windows was banked with exceptionally good azaleas and hydrangeas, with the potted hyacinths and lilies in the spare spaces. In the other window he made a fine show of his specialty, long Beauties, and bright colored carnations. Smythe's store was full of potted plants, mostly bulbous stock, in all sorts of receptacles, baskets, pots and pans. He had, of course, a great many lilies and a nice showing of the usual run of cut material. Wienhoeber as usual had a large display, which included hyacinths in pots and pans, tulips, daffodils, daisies and some fine azaleas and lilies, the latter from Buettner. At Wittbold's the principal attraction was a display of egg-shaped receptacles made of birch bark, containing either tulips and ferns; red geraniums, pterises and ageratum, or hyacinths, lilies and several kinds of small ferns. Lange had his place as full as could be of potted Harrisii, hydrangeas and hyacinths, the latter predominating. He also had numerous handsome baskets of potted plants. Kreitling had an exceptionally fine lot of callas and they made a good showing in his window. Phil. Hauswirth and all his assistants were kept unusually busy, having been unable to move into the new store on Michigan avenue until Saturday. Plants were conspicuous at Friedman's, some rhododendrons being particularly good. Baby primroses in miniature hampers were attractive, as also were the novelties in birch-bark receptacles of varied design. Halle had Harrisii, two 9-11 bulbs in a pot, which were among the finest plants seen in this market. Schubert showed a nice lot of azaleas, and a variety of pots of daffodills and tulips besides lilies and the everyday cut flowers. The Central Floral Company did not go deeply into the flowering plant business but did a big trade with a fine line of cut flowers. Mosconesotes, in the Masonic Temple, sold azaleas and lilies and cut flowers. All the retailers report a satisfactory trade. Anoteworthyfeature was the large number of fairly good plants, including azaleas, lilies and Dutch bulbs, handled by the sidewalk florists on Saturday and Sunday.

Albert Fuchs has sold his greenhouses, their contents and his business to Walter Retzer and Alfred Everett, who will hereafter conduct the establishment under the name of Retzer & Co. Mr. Retzer is an energetic young man, a graduate of Shaw Botanic Gardens at St. Louis, and has spent the past year with O. C. Simonds at Graceland Cemetery. There is no better location in Chicago for such a business as Mr. Retzer proposes to conduct and his success is in his own hands. Mr. Fuchs is now talking of a trip to Paris.

Peter Reinberg is now putting all his energies into the erection of his sixteen new houses 25x265, the largest addition he has ever put up in a single year. Last year such houses cost him $2,800 apiece and this season it is thought that the increased cost of material will make the investment a little greater. Mr. Reinberg will bench 6,000 Liberty plants this spring, 1000 of which will be grafted stock.

Brant & Noe, who are wholesale rose growers, shipping all their cut direct from the greenhouses to retailers in the principal cities, expect to be able to double their business with the new range of houses they are erecting.

C. S. Stewart who was with Benthey & Co., surprised his friends by the suddenness with which he threw up his job and left for Omaha.

John Thorpe is contributing to the *Sunday Times-Herald*, of this city, a series of articles on horticultural subjects.

C. W. Erne, who is with E. H. Hunt has gone to his old home at Terre Haute, to spend the summer.

The growers of this locality are now talking of combining for the purchase of coal.

Visitors: Prof. John Craig, Ames, Ia., J. F. Temple, Davenport, Ia.; F. A. Belt, Sterling, Ill.; J. R. Elder, Sioux City, Ia.

Toronto.

BUSIEST EASTER IN THE HISTORY OF THE TRADE.—SALES DOUBLE LAST YEAR'S.—PRICES VERY GOOD.—A VISIT TO DUNLOP'S.—BUILDING OPERATIONS PLANNED.—WITH OTHER GROWERS.—JOTTINGS.

I do not think the Toronto florists ever had such a busy time as they had Easter week. Wm. Jay & Son sold double the quantity of flowers they ever sold at Easter before. Jno. H. Dunlop does not claim quite so large an increase as that but his business has been very much in excess of former years. From the pile of "empties" at C. Tidy's, labeled "ginger ale," "sarsaparilla," etc., you would have thought he had been "treating" a detachment of the volunteers going to Africa, but it was only the remains of the soft refreshment found necessary to relieve the drooping spirits of the tired workmen on Friday and Saturday. I just caught him making up a deposit for the bank. Oh! such a wad! There was a large supply of flowers of good quality and apparently a ready sale for everything. Pots of lilac and Rambler roses were in great demand, the latter bringing $2 to $3 each. Some of Dale's enormous sweet peas retailed, I am told, for $1.50 a dozen.

Dunlop had some fine azaleas and sold the bulk of them. A trip to his greenhouses disclosed the fact that notwithstanding the close cutting for the festival, he had some fine blooms coming on rapidly. His roses are now in prime condition. There are long benches of Beauty with grand flowers and the sturdiest stems, four to five feet long; houses of Bride, Bridesmaid, Lady Dorothea, Mrs. Morgan, etc., in perfect condition. I could not help noticing how few the varieties are now being grown, to what were grown ten or twelve years ago. The public taste seems to have settled down to certain standards, such as I have named and a few others. He has a very large stock of young carnations of all the latest and best varieties, ready for the ground as soon as that is ready. His greenhouses have encroached so much upon his land that to make room for these carnations he has recently purchased another couple of acres adjoining him to the west and intends this summer putting up four new houses each 18x137 feet.

Miller & Sons, Bracondale, are also going to build this summer and put up a new carnation house 38x300. Here I saw some benches of carnations which for quantity of bloom, and very good bloom, too, would be hard to beat. A house of the pink seedling, Lady Van Horne, was a mass of flowers and Fred. Miller told me it had been in the same condition since October. He stated that the sale of plants and flowers for Easter had been enormous and gave me figures, but the latter were too much for my poor brain, and they slipped away. They have the contract to supply the Toronto public school gardens and are consequently growing large quantities of geraniums and other bedding plants, which are all in excellent condition. They are growing large quantities of ferns from spores and appear to be meeting with considerable success at this somewhat difficult task. A propagating bench full of the Boston fern promises to give him a very large stock. He is going to grow ferns much more extensively in future, and has disposed of nearly all his stock of palms. His grand new white seedling chrysanthemum, Timothy Eaton, is being propagated and, although he has received an offer of a considerable sum for the stock, he intends to retain it himself and put the flowers on the market next year. He will have a house especially for this variety.

Geo. Mills, of Ossington avenue, is about to build an addition to his greenhouses; I do not know the size. John Gard will also put up another greenhouse.

J. Butterworth has dropped very much out of the floricultural business and has most of his houses devoted to vegetables. He says he makes more money out of them, in fact he appears to have made his pile and proposes to sell out and retire next year.

Geo. Hollis, of Bracondale, reports business satisfactory. S. P.

Los Angeles.

ANOTHER SEASON OF DROUGHT.—THE THIRD DRY YEAR IN SUCCESSION.—DISASTER LIKELY TO BE THE CONSEQUENCE.—PLENTY OF STOCK EXCEPT LILIES AND VIOLETS.—A VISIT TO SIEVERS'.—VARIOUS NOTES OF INTEREST.

Your correspondent at this point has always been an optimist and expressed faith in southern California and is still hoping for the best, but we are nearing the end of the rainy season and the record up to date shows a rainfall of less than six inches since September 1, 1899, which is considerably less than one-half the amount in an ordinary season. This will be the third "dry" year in succession, something heretofore unknown, and the result will be disastrous. While much water has been developed, many artesian wells have ceased to flow and ordinary wells have failed to supply the usual quantity. Many of the water companies have materially advanced the rates to consumers already, while usually no irrigating is done so early in the season. While we have had less than one inch of rain since January 3, but few of the growers have suffered, as most of them have water from some irrigating system, but several have been obliged to wait a considerable time to have their order filled for "a day's run of water" and in these cases some stock has suffered.

The outlook for the Easter trade is very good. There will be plenty of flowers to fill all orders except for lilies and violets. The violet season is rapidly drawing to a close and the Bermuda lilies are badly diseased, even where they have been grown comparatively cold to keep them back for the Easter trade. The very high winds from the Pacific ocean, which have prevailed for a week past, have damaged the carnations that were in bloom, but a few days of comparatively calm weather will give many thousands of blooms at this season of the year. Sweet peas are here in all their beauty and are in great demand. Capt. Melville Walker makes a specialty of sweet peas, growing the finest varieties by the acre, and he now has them by the wagon-load.

On a recent visit to San Francisco your correspondent very much regretted to find Carl Kruger, of Sievers & Co., on the sick list. While scarcely able to do so Mr. Kruger showed us over the establishment, including the new carnation houses, where a number of famous carnations have been produced by this skillful hybridizer. We were permitted to view and examine the seedlings as well as some named sorts not yet in commence. We dare not tell all we saw, but there are some world-beaters hidden away that will surprise the florists within five years, and then we shall have to raise our standard of an ideal carnation.

Miss Harriet Goodin, who has been identified with the florists' trade for a number of years, recently with the Inglenside Floral Co., is building an office and store room on Broadway, where she will engage in the business for herself.

W. A. Peschelt, head gardener for Senator Jones, at Santa Monica, will soon leave for the east on his way to Europe. Mr. Peschelt will leave New York on the Kaiser Frederick, sailing May 10. He will spend three months in Europe visiting the leading trade establishments as well as seeing the show at Paris before returning to his duties here.

The Chase Nursery Company, at Riverside, has been unable to propagate a sufficient quantity of roses to supply their trade. Having overcome a number of difficulties they are now propagating very successfully and are planting a large acreage to supply the eastern nursery trade.

Edmund Germain, a member of the Germain Fruit Co., and for several years its manager, has retired from the firm and will soon embark in the dried fruit business, handling all such California products in car load lots only.

Howard & Smith report a splendid catalogue trade. They find a good demand for all novelties listed, but especially for the new canna, Mrs. Kate Gray. D. R. W.

Detroit.

BUSIEST EASTER ON RECORD.—PLANT SALES UNPRECEDENTED BUT DONE IN A DAY.—PURCHASERS OBJECT TO HIGH PRICES FOR CUT FLOWERS.—THE CLUB MEETING.—NEW RETAIL STORES.

A review of the Easter trade shows the ever increasing popularity of flowering plants for this festive season. The weather the whole week up to Saturday morning was miserable, snow and rain alternating with cloudy and windy periods which deterred people from even visiting the florists' stores and markets. This unfavorable condition of the weather was alone responsible for the slow sales of plants during the greater part of the week. Saturday, however, it cleared and, while it was not the ideal Easter weather, it was such a vast improvement over the first days of the week that people came out in great numbers and crowded the stores from early morning till late at night. And thus it might be said that the plant trade of the week was done on the one day, Saturday. The trade on Sunday ran principally to cut flowers, but high priced cut flowers on either Saturday or Sunday stood no show alongside of flowering plants, even when the latter were priced fairly high. There was a good supply of cut flowers of all kinds except carnations, which were very scarce, but when the necessary high price was attached to them they, too, moved slowly enough to clearly show that the public will not even at Easter pay what seems to be an extraordinary price, and so much more than is ordinarily charged for the same stock. Easter lilies were the most popular of flowering plants and there were not nearly enough to meet the demand. Every dealer reports an increase of trade over last season, in some cases as much 100 per cent, but fifteen per cent would represent a fair average.

Our club meeting Wednesday night was well attended. Two new candidates were admitted to membership. The principal feature of the meeting was a paper on tree planting by S. Taplin, whose wide and varied experience in that

line enabled him to treat the subject in a thorough and practical manner. The discussion which followed also brought out some very valuable points not generally known. The club has designated the meetings of the third Wednesday of each month to make exhibits of novelties or well grown specimens of plants or cut flowers and extends an invitation to the trade generally, irrespective of membership in the club, to make use of this facility to place on exhibition anything of special interest or merit. Such stock can be consigned to J. F. Sullivan, who will properly stage and care for it.

J. A. Briscoe, a member of our club, has established the Wildemere Gardens, corner of Grand River avenue and the Boulevard, dealing in ornamental trees and shrubbery. He has engaged Robert B. Buck as manager, who is a practical landscape gardener and will give particular attention to such work.

Asman & Dunn suffered the loss of a horse and wagon by colliding with an electric car on Palm Sunday.

C. H. Plumb is building two houses, one 28x128 for roses, the other 20x117 for carnations, using cypress and 16x16 glass, hutted.

Miss C. A. Yerger has opened a retail place at 198 Grand River avenue.

L. A. Rouston & Co. have opened a retail store corner Michigan and Welsh avenues. J. F. S.

Baltimore.

BIGGEST EASTER ON RECORD.—TREMENDOUS SALES OF FLOWERING PLANTS.—CARNATION PRICES CONSIDERED HIGH.—RETAILERS CALLED ON PHILADELPHIA FOR PLANTS AND CUT FLOWERS.—MEETING OF THE CLUB.—DISCUSSIONS AND ANNOUNCEMENTS.

Easter weather was perfect and sales unprecedented. Everybody connected with the trade is jubilant and flush except the man who held on to mignonette till Saturday, the man who held on to single and double narcissi, and his fellow citizen who bought up asparagus and smilax on Saturday, each having a lot of his product left over to reproach himself with. It may be questioned whether the prices received for carnations during the week at wholesale were not excessive, and will not eventually injure the sale of that flower. When very ordinary stock brings $3 50 one conservative wholesale dealer thinks the limit has not only been reached but passed. Roses hardly brought the prices of last year, but were in sharp demand. Bulbous stock paid very well, too, except hyacinths, which seemed slightly in excess of demand. The sale of flowering plants, lilies, azaleas, hydrangeas and Crimson Rambler roses, was something to be remembered. The supply was exceptionally fine and seemed excessive, but it all went and at good prices. Charles street never looked brighter, along where the florists have their stores. It would be hard to select any special window decoration for remark, where all were so excellent. Halliday Bros. were fortunate in securing a vacant store next them, which they crowded with lilies, azaleas and roses. The markets did a thriving business, owing to the fine weather.

Indications were that the Easter supply would be shorter than usual, and most of our heavy dealers took trips to the neighboring village of Philadelphia to see about replenishing. Judging from the specimens brought back there was no lack of good plants and cut flowers there.

The last club meeting was well attended, two new members being admitted. The total number of new members for the carnation society is thirty-seven, as reported by the committee. After discussing the Sunday laws and the sales of plants in department stores, the question of the best putty came up and various opinions were expressed. G. O. Brown promised to prepare a paper for the club and said it would be a great help to the trade if papers were read more frequently. Mr. Flitton announced that either Wm. P. Craig or Robert Craig would be at the next meeting of the club and would read a paper on some interesting subject. A committee of three was appointed to take charge of the meeting. Some very fine Farquhar violets were shown by Thos. Stevenson.

The Nestor of the trade, Jas. Pentland, was out on Monday accompanied by "Rix." Age does not seem to lessen Mr. Pentland's vitality, and he was fully as bright and cheerful in his eightieth year as his much younger companion.

Ed. Kress, to the pleasure of his numerous friends, is able to be about again, having quite recovered from an attack of pneumonia. MACK.

St. Louis.

UNANIMOUS DECISION THAT THIS EASTER BROKE ALL RECORDS.—ROSES SHORT AND LILIES BEYOND PRICE.—WHAT THE RETAILERS SAY OF IT.

The Easter trade in cut flowers was the heaviest ever experienced in St. Louis. The scarcity of Harrisii lily plants created a demand for cut flowers. Those who in former years were in the habit of buying plants could not get them this year and took cut flowers in their place. Roses were scarce, there not being half enough to go around. The retail stores which had placed their orders with the wholesale houses in advance got most of their orders filled, while those who waited till the last minute had to take what they could get. Consequently on Saturday prices advanced; roses jumped to $6 to $12 per hundred. American Beauties were scarce and in great demand. Carnations sold on Saturday for $4 to $5, per hundred, and extra fancy stock brought as high as $6 per hundred. There were no Roman hyacinths or narcissi in market. The wholesale men could have easily disposed of more stock had they received it, and as it was everything was cleaned up without any waste. One retail store on Saturday morning refused to deliver any orders for less than $5.

Fred Weber, of 4326 Olive street, has been sick for the past two weeks but is somewhat improved and expects to be up and able to attend to business in about a week or ten days. Fred Weber, Jr., who has looked after the business, says they had a continuous rush of business for Easter.

Charlie Connon says Easter business was far beyond expectations, and Miss Newman, who succeeded Luther Armstrong at his Olive street store, reports a heavy demand.

George Waldbart says he thought he would never get through with the Easter rush, as all his time was taken in waiting on customers, and orders had to be neglected.

John W. Kunz, at 506 Olive street, says he is well satisfied with his first Easter in business for himself.

Fred Foster, at Eighth and Olive streets, says last year was not in it with this. J. M. H.

Cincinnati.

SATISFACTION THE RESULT OF EASTER BUSINESS.—PLANT TRADE SHOWS GREAT GAINS OVER LAST YEAR.—LILIES IN SHORT SUPPLY.—HIGH PRICES FOR CARNATIONS.—SEEN AT THE STORES.

Everyone seems to be fully satisfied with Easter business, considering the weather, which was very disagreeable all week with the exception of Saturday. Plant trade is reported by all the dealers as having made a great gain over that of former years. There was a fine stock of plants in general assortment at all the stores and especially at the Sixth Street Market. Hybrid roses were never seen better and were eagerly bought up at good prices. Ramblers were also in good demand; plants in 6-inch pots, well flowered, sold for from $1 to $2, but for the specimen plants in 8-inch pots, measuring two to three feet across, only $5 could be realized. Azaleas had a phenomenal call and lilies proved to be in short supply for the enormous demand, although the receipts were much larger than had been anticipated. Hydrangeas were not in brisk demand. Among other favorites were daisies, cinerarias, deutzias, spiræas, genistas and bulbous stock. The cut flower market saw a great rush on Saturday morning. Carnations were the most sought after and there was considerable complaint among buyers because of the sharp advance in prices. Enquirer sold at the top notch of $2 per dozen at the market. This is, to my knowledge, the highest price ever paid in this market. Bradt, Jubilee and other fancy sorts sold quickly at $1 per dozen, while the average went at from 50 cents to 75 cents per dozen. Taking it all in all, however, it can be said to have been a good Easter, with a slight increase in the volume of business over that of a year ago.

J. Peterson had a special Easter display of choice azaleas and bulbous stock. Critchell's Sons were also well supplied with lilies and blooming plants. Sunderbruch's Sons made the best show, using a lot of ribbons among their window plants. The Hoffmeister Floral Co. had their usual display of choice plants and an exceptionally fine trade.

In the rush at the Sixth Street Market a pickpocket "touched" Mrs. W. Cunningham and got away with about $12. H. SCHWARZ.

Milwaukee.

All florists report Easter trade better than ever before. The city retailers wanted more plants than they were able to find, while the out-of-town trade made the largest drafts on the cut stock. Carnations were scarce, and bulbous stock went well. In one of the wholesale establishments Monday morning, after a very large trade Saturday, there was a beautiful lot of long-stemmed clivias, begonias and pansies; they were offered at low prices but would not sell. This market was very short of lily plants, and the Crimson Ramblers we read about made no appearance.

Pohl & Kraus, who have rented the ground on which they have grown carnations for two years, have purchased the premises and will make further improvements at once.

Alex. Klokner has established his office as superintendant of parks in a room of the boat house in West Park. C. B. W.

LANCASTER, N. Y.—C. H. Thatcher has gone out of business.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

IT will be a great mistake to start the price of bedding stock too low.

VISITORS to the Paris exposition will find the latest issues of the AMERICAN FLORIST on file in the Publishers Building on the exposition grounds. The file may be perused free of expense upon request.

JOHN G. ESLER informs us that the Florists' Hail Association is now doing a very large volume of business. So far this year there has been only one storm, which occurred at Omaha, Neb., doing no damage.

NOW that there is talk of repealing the the war tax law requiring a revenue stamp on each express shipment it is worthy of note that the supreme court has just definitely determined that the shipper has to pay the penny.

IT should be noted that New York and Boston wholesale market quotations given on pages 1156 and 1157 of our issue of April 14 do not necessarily represent prices obtainable on Wednesday or prevalent on Saturday of last week.

WE understand that some of our enterprising commission men are importing the leaves of Berberis Aquifolium (Mahonia aquifolia) from England in large quantity for decorative work. Can not some of our equally enterprising nurserymen of the Virginias, Carolinas or the northwest induce this shrub to produce serviceable leaves in sufficient quantity for the uses of our retail florists?

Greenhouse Building.

South Orange, N. J.—W. A. Manda, eight commercial houses, each 12x45.

Bristol, R. I.—Mrs. Van Wickle, one rose house, one palm house, one grapery and one conservatory.

Whitman, Mass.—Robert Moir, commercial house.

West Hanover, Mass.—A. Packard, commercial house.

Ingersoll, Ont., Can.—Bennett & Burns, range of forcing houses.

Marlboro, N. Y.—C. G. Velie & Son, violet house.

Nashua, N. H.—August Gaedeke & Co., seven houses, 20x100.

Toronto, Ont.—J. H. Dunlop, four houses, 18x137.

Bracondale, Ont.—Miller & Sons, carnation house, 38x300.

Stanley, N. J.—J. T. Wagner, one house.

Newport, R. I.—Miss Fannie Foster, conservatory.

Fair Haven, Mass.—W. P. Winsor, conservatory.

Breach of Water Contract.

"Breach by a water company of a contract to supply a city with water sufficient to protect its inhabitants against loss is held," says a contemporary, "in Gorrell vs. Greensboro Water Supply Company (North Carolina), 46, L. R. A. 513, to entitle a citizen whose property is burned in consequence thereof to sue as a party in interest."

This ruling, it seems to us, should apply with equal force where the contents of greenhouses—entirely dependent for their successful cultivation on the water artificially supplied under contract by any corporation—are injured or destroyed through breach of contract.

Selaginellas for Florists.

Certain species of selaginellas possessing long-stalked fronds, says Mr. Bayer, of Vienna, according to the *Gardeners' Chronicle*, are as well adapted for use in the finer kinds of bouquet work as the adiantums. These are S. erythropus major, S. amœna, a variety of S. caulescens, native of Japan and China, S. bellula = S. inæquilifolia perelegans; S. Lobbi, a Bornean species with half-climbing stems from 1—1.20 metre in length. Besides these there are S. dichroas, S. Vogeli, and the rare S. Victoriæ. This last was discovered in Borneo in 1879, and produces fronds of 1—1.20 metre in length, and a breadth of one-fourth their length.

Dividing Asparagus.

ED. AM. FLORIST:—Please state whether large plants of Asparagus Sprengerii and A. plumosus can be safely divided and how? W. S. H.

Large plants of Asparagus Sprengerii and A. plumosus may be safely divided during the spring and summer months with the probability that the divided portions will grow away without great delay or loss, but as a method of increasing stock this process is usually not so satisfactory as that of raising seedlings. Before dividing either species of asparagus it is best to give the plants a partial rest by keeping them somewhat drier and cooler for a few weeks. Then shake or wash out the roots and divide the crowns with a knife; pot the divided crowns into as small pots as their roots will permit, at the same time trimming off the broken roots and shortening the top growths. The newly potted roots should then be placed in a warm and partly shaded house, and watered somewhat sparingly until a fresh start is made, for should the soil become sodden it is probable that some of the plants would fail. W. H. TAPLIN.

More Independent Glass.

A monster addition to the independent window glass production comes to light this week, says the *Commoner and Glassworker*. The immense paint and glass firm of John Lucas & Co., of Philadelphia, are building a fifty-four blower tank factory about three miles from Camden, N. J., on the main line of the Reading and Atlantic City R. R. The plant is said to be well under way but will hardly be ready to operate before next fire, though there is a possibility that it may be able to operate for a short time before the close of this fire.

The erection of this big plant has been kept a close secret up to now. John Lucas & Co. are one of the strongest firms in the country and anything they undertake will be carried to a successful conclusion. They have an immense paint factory at Lucaston, about twelve miles out of Camden. They are among the largest handlers of window glass in the east and will easily be able to dispose of the entire product of their window plant. They are in shape to manufacture window glass in the east to the best advantage and will be a big factor in the business from now on. This is but one of several big tanks likely to be built by the big jobbing firms for next fire.

Hardwood Ashes.

ED. AM. FLORIST:—You will greatly oblige by stating how I can derive the most benefit from hardwood ashes which I can secure in quantity at a nearby bakery? In the greenhouses and hotbeds I grow a general line of pot and bedding plants and in the open ground a variety of vegetables. My soil is very sandy. H. F. R.

Unleached hardwood ashes should be an especially valuable fertilizer for a sandy soil. It should be remembered that they are not a complete fertilizer, as they contain no nitrogen. They are chiefly valuable for the potash and lime they contain. It is advisable to use nitrogenous manures, such as good stable manure, in connection with them. We do not like to apply the two together, however, as the lime in the ashes tends to free the ammonia in the manure, causing a waste. The ashes are best broad-casted and harrowed under in the fall, the manure to be applied in the spring. If this has not been done, however, they can be applied together now and immediately plowed under. We have never seen any ill effects from the ashes, though often using them in large quantities.

In mixing bench soil we often use two shovelfuls to the barrow, but again like to apply it in advance of the other manures and have it thoroughly mixed in. During the winter, in the houses, ashes applied as a top dressing, enough to give the soil a strong gray color, and watered in have given excellent results. W. N. R.

Washington.

TRADE HEAVIER THAN EVER BEFORE.—PLENTY OF STOCK WITH WHICH TO DO A BIG BUSINESS.—PLANTS IN ESPECIAL DEMAND WITH THE RETAIL DEALERS.

Easter trade was extraordinarily good this year. There were plenty of first-class flowers and choice plants in great variety, azaleas, rhododendrons, syringas, Bougianvillea Sanderiana, hydrangeas, ericas, Astilbe Japonica and tulips in pans; but the bulk of the stock was Lilium Harrisii and L. longiflorum, which were fine and had ready sale. All the florists made good showings in their stores and windows. Especially notable were those of J. H. Small & Sons. In the large window was a specimen bougainvillea which was a great attraction. The novelty this year was well grown Boronia elatior covered with flowers. They had quite a run on baskets of plants in pots, such as violets, ericas, azaleas and Crimson Rambler roses.

J. R. Freeman made a fine display, showing some fine specimens of azaleas, rhododendrons, Crimson Ramblers, cypripediums and primulas.

Z. D. Blackstone had the use of a vacant store adjoining his, and he had a large stock of plants on hand, including a number of fine specimen azaleas.

A. Gude & Bro. had a very fine stock of plants, very fine American Beauties, and sweet peas. They had as much as they could do with extra help.

J. Louis Loose made a fine showing at his F street store, and also at his branch store. W. W. Kimmel also found a vacant store adjoining his, filled it with plants and had very few left Monday.

P. G.

Davenport, Ia.

Easter trade was the best ever known in the history of this city. Plants and flowers sold out clean all around, and in not a few instances customers clamored for more than were to be had. The prospects for continued good business throughout the year are very encouraging.

J. T. Temple considers ivy-leaved pelargoniums ideal plants for Easter trade, and the fact that he quickly disposed of a large number of excellent plants, shows that he is not mistaken. Mr. Temple found callas a good substitute for lilies.

Chas. Dannacher had by long odds the cream of the lilies in this city. Mr. Dannacher is building a fine new frame residence on the Dubuque road, to cost $5,000.

F. L. Bills had fine azaleas and lilies in quantity. Unfortunately, however, a considerable number of the latter were not fully in bloom.

The wedding of Miss Louise Dannacher and Joseph Boland is announced for April 25, at St. Margaret's Cathedral.

Otto Klingbiel will take possession of the Dannacher establishment, under the new lease, June 15.

OBITUARY.

C. R. TUTTLE.

C. R. Tuttle, the well known florist of Wakefield, Mass., died April 14, aged 46.

C. O. BOYNTON.

C. O. Boynton, father of Elmer E. Boynton, died at his residence, Sycamore, Ill., April 18.

MRS. M'CORMICK.

The wife of Alexander McCormick, the well known grower, of Fullerton, Baltimore county, Maryland, died very suddenly on April 12 of heart disease.

THOMAS FIELD.

Thomas Field, of Field Bros., well known at Washington, D. C., died April 12, interment taking place on Easter. Mr. Field was born in England fifty years ago and had many warm friends on both sides of the water.

MARIE LOUISE BARRY.

The sympathy of the trade will go out to Mr. and Mrs. W. C. Barry in the loss of their daughter, Marie Louise, who died at Rochester, N. Y., April 14. Miss Barry had been in poor health several years and returned from the south only a few days previous.

HENRY YOUNG.

Henry Young died at his home at Lynn, Mass., on Thursday, April 5, aged 75 years. The funeral took place at Pine Grove Chapel on Sunday afternoon, the 8th inst. Mr. Young has been engaged in the florist business in Lynn for many years. He leaves a widow, two sons and two daughters.

E. J. PADDOCK.

E. J. Paddock, one of the oldest florists of Cleveland, O., died on Monday, April 16, after one week's illness of pneumonia. Many of his fellow craftsmen, close at hand but busied by the Easter rush, had not heard of his illness when his demise was announced, and their grief was added to that of the stricken family, a wife and several children.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—In retail florist store in Chicago; good references; some experience. Address R S, care American Florist.

SITUATION WANTED—By competent, single florist and gardener Good all-around man State particulars. W K, 339 Paulina St., Chicago.

SITUATION WANTED—By young lady in flower store. Four years' experience; can give good reference. Address F M, care Am. Florist.

SITUATION WANTED—As foreman or section boss. First-class cut flower grower; 30 years' experience; hard worker; German. Address M. DIETZ, 2301 N. 7th St., St. Joseph, Mo.

SITUATION WANTED—By an experienced grower of cut flowers and plants, to take charge. 10 year's in last place; state wages. FLORIST, Julian Hotel, 3847 State street. Chicago, Ill.

SITUATION WANTED—By florist first-class maker-up and decorator in store or commercial place; can produce first-class references. Address L, care Hugo Bock, College St., Worcester, Mass.

SITUATION WANTED—By practical man; over 20 years' experience in all branches; age 35, married, one child. Would prefer to take charge of private place. A G W, care American Florist.

SITUATION WANTED—By experienced gardener to take charge of commercial place, especially palms, ferns and general greenhouse plants. First-class references. Address X X X, care Am. Florist.

SITUATION WANTED—By a first-class gardener, thoroughly understands all branches in greenhouse business. Best of references. Married, sober and industrious. Address C O, care Am. Florist.

SITUATION WANTED—By married man, 35 years old; experienced, reliable florist and gardener; competent to take charge of greenhouses and men. Good designer and decorator. Address D 753, care American Florist, Chicago.

SITUATION WANTED—By a reliable, married man, as foreman on commercial place, where first-class cut flowers are wanted for market; 25 years' experience. Please give full particulars with wages. Address IDEALITY, care American Florist.

SITUATION WANTED—By a married man as manager or foreman in a private or commercial place; 23 years' experience. German, aged 37; 8 years on present place. Best of references; vicinity of New York preferred. Address A R, care Am. Florist.

SITUATION WANTED—The advertiser would like to secure a position as head gardener on a private place or foreman in a commercial establishment; thoroughly experienced in all departments; best of references. Address F H B care American Florist.

SITUATION WANTED—A position in or near Chicago by all round man, At rose and orchid grower also familiar with greenhouse construction, competent to take charge of private or commercial place, 10 years' experience east and west Address FLORIST, 2725 Wabash Ave., Chicago, Ill.

SITUATION WANTED—As foreman, 25 years' experience in growing of plants for catalogue trade; also growing of plants for store trade; the forcing of all kinds of bulbs and plants for Christmas, Easter and spring trade. First-class propagator of all kinds of plants, such as roses, hardy plants, hardy shrubs, etc Good references Married, small family. Will be disengaged soon. Address FLORIST A, care American Florist.

WANTED—Two young men for carnation and rose houses. State experience and wages wanted. F. BURKI, Bellevue, Pa

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal.

WANTED—Young unmarried man with some experience, to work in greenhouse. J M. OASSER, Euclid Ave., Cleveland, O.

WANTED—At once a steady man for general greenhouse work. Must come well recommended. State wages expected. C. LOVERIDGE, Peoria, Ill.

WANTED—An all around assistant, single man on commercial place near Chicago; $10 a week and permanent place to right man. P, care Am. Florist.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—A young man wanting to learn the florists trade or one having some experience in the business. State wages with board and room. Address FLORIST, care American Florist.

WANTED—A first class grower of high grade carnations on a commercial place. Prefer a middle age man with long experience who can show a record. A good opportunity for the right man Send references. Address H. N. EATON, So. Sudbury, Mass.

WANTED AT ONCE—First-class grower of roses and carnations, to take complete charge of plant Must be thoroughly reliable, sober and industrious. References required. A permanent place to the right man. Address WEST VIEW FLORAL CO., Knightstown, Ind.

WANTED—By May 1st, single man to take charge of greenhouses; capable of growing cut flowers and general stock of plants; must be sober, honest and reliable. Permanent place to right man. State salary. References. S. C. THORP & SON, P. O. Box 373, Trinidad, Colo.

FOR SALE OR RENT—Commercial place; location the best. R D BAKER, Canon City, Colo.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—On easy terms, a well established and lucrative florist business, in a live town. It will pay you to investigate. Address Box 663, Wabash, Ind.

FOR SALE—Four-inch cast iron pipe, 225 feet; 11 elbows, 3 return bends with outlets, 2 tees, 1 three way branch tee, 5 hose valves. 1 brass valve 1½-inch pipe. All in good condition. Address F. W. CUSTER, Pontiac, Ill.

FOR SALE—Established florist business, city of 40 000, five houses, over 8,000 feet of glass, one or three acres of land. Stock at appraisal. Very little competition. Bargain; investigate. Also 100 farms. Apply to POORE'S FARM AGENCY, 104 Merrimack St., Haverhill, Mass.

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's **Florist,** care Am. Florist.

FOR SALE OR RENT.

15,000 square feet of glass, all new houses with modern improvements, heated by steam. House and barn and one acre of land, best retail stand outside of city limits, right opposite Woodmere cemetery entrance, one of the largest cemeteries in the state of Michigan, two blocks from railroad depot. This place can be rented for fifty dollars per month without stock. Reason for selling out, I have too much other business to attend to. Addresss

ANTON KAIER, Woodmere, Mich.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land; 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a flue dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a flue bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA

Orders From All Parts.

AM. FLORIST CO.—It is remarkable the amount of orders the one two-inch ad. brought me from the special number of your paper. Orders came pouring in from all parts of the United States, and they are still coming. It now keeps me busy writing, as I am sold out. The AMERICAN FLORIST is O. K.

W. W. COLES.

Kokomo, Ind., April 16, 1900.

Wholesale Flower Markets

CINCINNATI, April 19.

Roses, Beauty, select	40 00
" " medium	20.00
" Bride	6.00@ 8.00
" Bridesmaid	6 00@ 8 00
" Meteor	6.00@ 8.00
" Perle	4 00@ 5 00
Carnations	1 50@ 2 00
" fancy	3 00@ 5.00
Lily of the valley	3.00@ 4.00
Violets	50.@ .75
Roman hyacinths	2 00@ 3.00
Dutch "	4 00@ 5 00
Harrisii	12.50@15.00
Callas	10.00@12 50
Daffodils	4.00
Tulips	3.00@ 4.00
Narcissus	3 00
Stocks	2 00
Sweet peas	1.00
Smilax	15.00
Adiantum	1.00
Common ferns	.20
Asparagus	50.00

ST. LOUIS, April 19.

Roses, Beauty, short stems	5.00@10.00
" " medium	12 50@25 00
" " fancy	30.00@50.00
" Bride, Bridesmaid	4.00@ 10.00
" Meteor	4 00@ 8 00
" Perle, Wootton	3 00@ 6.00
Carnations, common	1 50@ 2 00
" fancy	2 00@ 5.00
Lily of the valley	3.00@ 4.00
Violets	.25@ .50
Narcissus	3 00@ 4.00
Roman hyacinths	2 00@ 3.00
Dutch "	3 00@ 5.00
Sweet peas	1 00@ 2.00
Callas	12 50@15.00
Harrisii	12.50@15 00
Tulips	2.00@ 5 00
Smilax	12.50@15.00
Adiantum	1.00@ 1.25
Asparagus	50.00@75.00

MILWAUKEE, April 19.

Roses, Beauty, long, per doz.	3 00
" " medium " "	1 50@ 2 50
" " short " "	.50@ 1.00
" Bride, Bridesmaid	2 00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	3 00@ 4.00
" fancy	4 00@ 5.00
Violets	.50@ 1.00
Daffodils	3 00@ 4 00
Lily of the valley	3.00@ 4 00
Roman hyacinths	2 00@ 3 00
Narcissus	3 00
Callas	8.00@ 15 00
Harrisii	12.50@15 00
Mignonette	2.00@ 3.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, April 19.

Roses, Beauty	5.00@50.00
" Bride, Bridesmaid	3.00@15.00
" Meteor	3.00@15.00
" Kaiserin	4 00@10.00
" Perle	3 00@ 6.00
" Cusin	3.00@ 6.00
Carnations	1 50@ 4.00
Lily of the valley	2 00@ 4.00
Violets, double	.20@ .75
" California	.20@ .30
Daffodils	3.00@ 4.00
Harrisii	6 00@12.00
Tulips	4.00@ 5.00
Pansies	.75@ 1.00
Lilacs, per bunch	1.00@ 1 50
Daisies	1 50@ 3.00
Mignonette	1.50@ 4 00
Smilax	12 50@20 00
Wild Smilax, per case 3.50@6.00	
Adiantum	.75@ 1.00
Hardy ferns	.10@ .20
Asparagus, bunches	40
" strings	.35@ 75
" Sprengerii, bunches	.50@1 00
Galax leaves	.15

DENVER, April 18.

Roses, Beauty, select	20.00@35.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	4.00
Violets	.50
Callas	12 50
Harrisii	12 50
Daffodils	4.00
Tulips	4.00
Sweet peas	.50@ .75
Asparagus	50.00
Smilax	15 00@17.00
Ferns	.30
Galax leaves	.20

SPRING SALE ...OF... ORCHID PLANTS The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CATTLEYA TRIANÆ		18.00

(N. B. These plants are fully established, being principally from last year's importations.)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. per dozen, $1.00
DRACAENA TERMINALIS, nice plants, 2½-in. " 1.00
(Special prices will be quoted on application for these plants in quantity from the sand.)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

ALL KINDS, BUT ALL GOOD.

Cut Flowers at Wholesale.

HOLTON & HUNKEL CO.,
MILWAUKEE, WIS.

Paris World.. Exhibition

Customers and friends are herewith requested to visit our bulb farms at OLLIOULES and TOULON on the occasion of the Paris Exhibition. Our manager, who speaks English, will be glad to show them the principal views in our region, which is famous for its beauty, and the fields of Roman Hyacinths and other French bulbs of the 400 growers comprising our syndicate.

Toulon and Ollioules are on the way from PARIS to NICE and MONTE CARLO.

THE SYNDICAT des CULTIVATEURS d' OIGNONS a FLEURS
OLLIOULES (Var) FRANCE.

Cincinnati.. Cut Flower Co.,

W. A. MANN.
FRANK W. BALL.

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.
Please mention the American Florist when writing.

HUDSON & CO. WHOLESALE FLORISTS,

1527 PINE STREET,
Phone, Kinloch D 83. ST. LOUIS, MO.
Consignments Solicited. Prompt returns guaranteed.
Please mention the American Florist when writing.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,
CHICAGO.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

	Per Dozen.
AM. BEAUTIES, Ex. long	$3.00 to $4.00
" 24-inch stems,	2.50
" 20 " "	2.00
" 15 " "	1.50
" 12 " "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.50 to 2.00
BRIDES	4.00 to 6.00
BRIDESMAIDS	4.00 to 6.00
METEORS	4.00 to 6.00
PERLES	2.00 to 4.00
VALLEY	3.00 to 4.00
TULIPS	3.00 to 4.00
LIL. HARRISII	8.00 to 12.50

	Per 100.
CALLA LILIES	$8.00 to $12.50
VIOLETS, double	.60 to .75
" single	.50
ADIANTUM	.75 to 1.00
ASPARAGUS	50 cts.
SMILAX	$1.50 per doz. 12.50
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS	$1.50 per M. .20
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4.50
No. 5 " 40 lbs.	5.50
No. 6 " 50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc.
MASSACHUSETTS FANCY FERNS, 1000 $1.50; 5000 lots, $6.25

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

WEILAND & RISCH,
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
Long Distance Telephone Central 879.

GEO. REINBERG,
Wholesale Grower of Cut Flowers.
BEAUTIES, ROSES, CARNATIONS.
All stock at lowest market rates. Send in your orders.
51 Wabash Ave., CHICAGO, ILL.
Please mention the American Florist when writing.

PETER REINBERG,
Grower and Wholesaler of Cut Flowers.
500,000 FEET OF GLASS.
Headquarters for American Beauty.
Cernetione, Blooms and Cuttings.
51 Wabash Ave., - CHICAGO, ILL.

It is good business policy to mention the
...AMERICAN FLORIST
when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, April 20

Roses, Beauty, extra long stems		5.00
" " 30 inch "		4.00
" " 24 " "		3.00
" " 20 " "		2 0
" " 15 " "		1.50
" " 12 " "		1.25
" " 8 " "		1 00
" Bride, Bridesmaid.	5 00@	8 00
" Perle	4.00@	6.00
" Meteor	5.00@	8.00
" La France	6.00@	8.00
" Golden Gate	10.00@	12.00
Carnations	1.50@	2.00
" fancy	3.00@	4.00
Violets, double	.40@	.75
" single	.40@	.50
Lily of the valley	3.00@	5.00
Cattleyas per doz.	4.00@6.00	
Dendrobiums "	3.00	
Lilacs "	.75@1.00	
Mignonette	2.00@	6.00
Roman hyacinths	1.00@	4 00
Dutch hyacinths	4.00@10	00
Narcissus	3 00@	4.00
Harrisii	8.00@10	00
Callas	8.00@10	00
Tulips	4.00@	6.00
Sweet peas	.00@	2.00
Adiantum	.50@	1.00
Common ferns		.15
Fancy ferns		.20
Smilax	12 50@	15.00
Asparagus	50.00@	60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO
S. E. Cor Wabash Ave. and Randolph St.

E. H. Hunt
THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS
Hunt's Flowers Go Everywhere
76 Wabash Ave., CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and Growers of Cut Flowers
GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL
Wholesale Florist
Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,
37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.
F. F. BENTHEY, Manager,
Wholesale Commission Florist
41 Randolph Street, CHICAGO.
☞ Consignments solicited.....

A. G. PRINCE & CO.
Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.
76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers
504 LIBERTY ST. 'PHONE 2157.
Am. Beauties
PITTSBURGH CUT FLOWER CO. LTD. FORT PITT PITTSBURGH, PA.
Roses Violets
CONSIGNMENTS SOLICITED.
Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:30 A. M. TO 10:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

Wholesale Commission Florists.

New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

TELEPHONE 2200 MADISON SQ.

Asparagus Plumosus Nanus.

Cut Strings 8 feet long,

50 CENTS.

W. H. ELLIOTT, Brighton, Mass.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

N. F. McCarthy & Co.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, April 18.

Roses, Tea	6.00@10.00
" " extra	12.00@15.00
" Beauty, extra	40.00@60.00
" " firsts	25.00@40.00
Carnations	3.00@ 4.00
" fancy	5.00@12.00
Lily of the valley, Daffodils	3.00@ 4.00
Violets	.50@ 1.00
Mignonette	2.00@ 4.00
Asparagus	60.00@75.00
Smilax	20.00@50.00
Adiantum	1.00@ 1.50

BOSTON, April 18.

Roses, Beauty, extra	20.00@35.00
" " medium	10.00@22.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 5.00
" extra	8.00@12.00
" Brunner	12.00@25.00
Carnations, ordinary	1.00@ 2.50
" fancy	3.00@ 5.00
Lily of the valley	2.00@ 6.00
Violets	.20@ .60
Daffodils	1.00@ 2.00
Tulips	1.00@ 2.00
Longiflorums	6.00@ 8.00
Callas	6.00@12.00
P. W. narcissus, Roman hyacinths	1.50@ 2.00
Mignonette	1.00@ 3.00
Smilax	16.00@20.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.

Successors to WM. C. SMITH,

Wholesale Florist,

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,

Wholesale Florist,

5515 Fifth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets Solicited.

J. M. COHEN, WHOLESALE FLORIST.

ALWAYS ON HAND

ROSES, PINKS AND VIOLETS.

CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Sqnare.
43 West 28th St., NEW YORK.

WALTER F. SHERIDAN,
WHOLESALE **FLORIST**
New Telephone No. 902 Madison Sq.
39 West 28th St., NEW YORK.
Roses shipped to all points. Price List on application.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, April 18.

Roses, Beauty select	15.00@25.00
" " medium	10.00@12.00
" " culls	2.00@5.00
" Bridesmaid, Bride, Meteor	1.00@5.00
" " " Select	6.00@2.00
" Jacq., Brunner	6.00@16.00
Carnations	1.00@2.00
" fancy	3.00@5.00
Lily of the valley	1.00@2.00
Violets	.25@.50
Yellow narcissus	1.00@2.00
Tulips	1.00@2.00
Mignonette	2.00@5.00
Sweet peas	.50@.75
Callas	6.00@8.00
Harrisii	5.00@8.00
Cattleyas	50.00@60.00
Smilax	15.00@20.00
Asparagus	35.00@50.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, April 19.

Roses, Beauty	10.00@50.00
" Bride, Bridesmaid, Meteor	8.00@12.00
" Perle, Niphetos	5.00@8.00
" Kaiserin	8.00@15.00
Carnations, ordinary	1.50
" fancies	3.00
Lily of the valley	3.00@4.00
Violets	.60@1.00
Mignonette	2.00@6.00
Daffodils	3.00@4.00
Dutch hyacinths	3.00@4.00
Harrisii	12.00@16.00
Callas	8.00@10.00
Tulips	3.00@4.00
Smilax	15.00@20.00
Adiantum	1.00@1.50
Hardy ferns, Galax leaves	.15
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

GEORGE SALTFORD,
Wholesale Commission Dealer in
...Violets...
50 W. 29th St., NEW YORK.
Telephone Call, 1304 Madison Sq.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN IS NOW AT 106 W. 28th St., NEW YORK CITY,
where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Squa .....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT McCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO:—S. Y. Haines, of Minneapolis.

THE American Seed Trade Association will meet in Chicago June 12-14.

ONION sets of all kinds are now pretty well cleaned out. Tops have been out of the market most of the season.

SPRING bulbs have been selling well; tuberoses and Japan lilies are being cleaned up, while gladioli are scarce.

AVON, N. Y.—The Cleveland Seed Company has purchased twenty-six acres of land bordering the Erie railroad tracks and will erect a large warehouse, making Avon the distributing point for this section of the state.

The Wholesale Seed Merchants' League.

At the meeting of the Wholesale Seed Merchants' League, held in New York April 10, protest was made against the action of European wholesale seed houses for soliciting trade from the smaller American firms, also against the action of seed farmers for selling to the same class of trade and to consumers.

The second annual meeting of the league will be held in Chicago June 14 or 15.

Bangor, Me.

Easter sales here have been surprisingly good, surpassing those of late years. Lilies, of course, took the lead. Harrisii were very scarce, but longiflorums were good and brought excellent returns. Azaleas did not sell so briskly as usual, the demand being for plants averaging $1. In cut flowers violets had the lead, one grower alone having picked some 16,000 blooms in three days, and at the same time selling a large number of potted plants. Carnations and tulips, lily of the valley and Romans also sold well. A large number of Crimson Ramblers were to be seen and sold well.

A garden has been opened in Houlton, Aroostook county, by Carl Beers and greenhouses are to be built there this year. The place is a new thing, and although supplied from here, sales have been extremely good. C. B.

LOW PRICES on BULBS & PLANTS

Amaryllis Equestre, $4 per 100; A. Formosissima, $3; A. Johnsoni, $15; A. Vittata, $20. **Anemones** for fall blooming, $1. **Begonias,** single, $2 50; double, $4. **Callas,** Spotted, $2; Little Gem $2.50, Fragrance $10, Yellow $25, Black $10. **Caladium Esculentum** 5 to 7 $2, 7 to 9 $1, 9 to 12 $7. **Cannas,** mixed, $1.50; named, $2 up. **Crinums,** $7. **Dahlias,** mixed, or to color, $4; fine named sorts, Cactus or others, $5 per 100. **Gladioli,** 2d size, $4 per 1000. **Gloxinias,** $3. **Hyacinthus Candicans,** 50c to $1. **Iris Germanica,** $1.50. **Ipomœa Pandurata,** $3. I. Mexicana, monsters, $30. **Lilium Auratum,** $5. L. Album, $6; L. Superbum, small, $1.25. **Maderia Vine,** 60c. **Montbrelias** $1. **Oxalis** $1 per 1000. **Tigridias** $1.50, **Tuberoses,** 1st size 75c, 2d size 30c. Milla, Bessera, Cyclob, $1 per 100.

PLANTS. Asparagus Sprengeri, $3.50 to $20. Astilbe Chinense new, fine, $10. Begonia Duke Zeppelin, $10. Hibiscus new sorts, $10. Lace Fern, $5. Baby Primrose, $2.50. 2 new Salvius, $8. Tropæolum Phœbe, $3. The Edelweiss, soon to blooom, $6. Myosotis Sutton's Gems in bud, 3 colors, white, blue, pink, $4 per 100. The Hardy Chinese Begonia, sweet scented pink flowers, leaves olive and red; 8 by 10 inches!! grand, $6 per 100. New Begonia Gracilis, finest pink bedder, $6 per 100. Japan Morning Glory Seed, finest strain, $1 per lb., 10c per oz. Not less than 25 of any kind at 100 rates.

A. BLANC & CO., Philadelphia, Pa.

Please mention the American Florist when writing.

SPECIAL TO FLORISTS.

Johnson & Stok's Evergreen Velvet Lawn Grass Seed.
Put up in beautiful lithographic cartons to sell for small grass plots and cemetery lots. Pint size, per dozen, 60c; per 100, $5.00. Quart size, per dozen, $1.20; per 100, $10.00

Lithographic Flower Seed Packets.
With full cultural directions and generously filled. Per 100 Packets, $2.00. Per 1000 Packets, $15.00. Beautiful Poplar Cabinet for displaying them, $1.00.

Lithographic Vegetable Seed Packets.
At same rate.

ASTER, Queen of the Market, the earliest of Asters, mixed ..... Per ¼ oz., 15c; per oz., 50c
" **Queen of the Market,** white crimson, blue and red ..... " " 15c " 50c
" **Semple's True Branching Mixed** ..... Per ¼ oz., 15c; per oz., 50c; per lb., $5 00
" " " " shell pink, white and red ..... Per ¼ oz., 20c; per oz., 75c
NASTURTIUM, Tom Thumb Mixed, (new crop) ..... Per ¼ lb., 15c; per lb., 40c; per 100 lbs., $35.00
" **Tall Mixed** ..... Per ¼ lb., 15c; per lb., 35c; per 100 lbs., $30.00

SEND FOR OUR NEW FLORISTS' LIST.

JOHNSON & STOKES. 217-219 Market St., PHILADELPHIA, PA.

We are soliciting contract orders for crop of 1900

KENDEL'S EARLY GIANT CORN.

This Sweet Corn has become a leader among Market Gardeners on account of its great size and earliness. Description and lowest price of genuine stock from the introducer,

A. C. KENDEL, Seedsman, Cleveland, Ohio.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Florists are invited to send for our quotations on

FORCING BULBS,
ROMAN HYACINTHS,
LILIUM HARRISII,
LILIUM LONGIFLORUM,
Etc., Etc.

We are large importers of HIGH CLASS BULBS.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6 00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple, each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Tuberous Begonias, single, five separate colors extra fine large bulbs, ½-inch, per 100, $2 50 Double, in separate colors EXTRA large ½-inch stock (SUPERIOR strains) per 100, $5 00. Gloxinias, finest strains, VERY large bulbs, per 100, $3 00. Cannas in choicest sorts, $2 00 to $8 00 per 100 for NOVELTIES. Tuberoses READY. Asparagus Sprengeri seed, 100 75c; 1000 $6 00. Asparagus P. Nanus (TRUE) 100 $1 00; 1000 $9.00. Latania Borb. 100 40c; 1000 $2 50 Pandanus Utilis, 100 $1.25; 1000, $10 00. Cocos Wedelliana, 100 $1 00; 1000 $7.50. Send for our NEW spring list. Address

H. H. BERGER & CO., 47 Barclay St., N. Y.

Cycas Stems.

TRUE "LONG-LEAVED" VARIETY

GRADED { 1 to 5 pounds, 6 to 10 pounds,

50 lb. lots, $5 00; 100 lbs. $9.00.
300 to 500 lb. lots, special.

LAWN SEED VAUGHAN'S "CHICAGO PARKS."

LAWN FERTILIZER. Write for prices.

We create demand for these by liberal advertising. These will sell to your customers and allow you good profits.

VAUGHAN'S SEED STORE,

CHICAGO:	New York:
84-86 Randolph Street.	14 Barclay Street.

Seeds.

Primula Sinensis, Rolker's large-flowering, ⅛ oz. $3.50; packet 25c.; best English mixture, packet 50c. **Cineraria** hybr. grandifl., choicest English, packet 50c. **Cyclamen** splendens grandifl., 500 seeds $2 50; separate colors, 100 seeds 60c.; best English mixture, packet $1.00. **Asparagus Sprengerii,** 1000 seeds $6.50; 100 seeds 75c. **Pansy,** Rolker's Giants, ⅛ oz. $1.25; packet 25c.; Trimardeau, ⅛ oz. 75c.; packet 25c. **Other seeds** see general Trade list, mailed free.

August Rolker & Sons, 62 Dey St., **New York.**

Please mention the American Florist when writing.

Order now your Bulbs while you can make money with

Paper White Narcissus Grandiflora,

EXTRA, $4.00 per 1000,

free Marseilles. Packing free. 1st Dec. settlement. Very low prices on application for **ROMAN HYACINTHS** and other French Bulbs for forcing.

A. BERNARD, Grower and Exporter,
Carqueiranne, Var, France.

American Florist Advertisements Work Every Day.

Dreer's Special Offer of HARDY PERENNIALS

Special List of Varieties Suitable for Cut Flowers.

DIGITALIS.

	Per doz.	Per 100
Achillea The Pearl, 2¼-inch pots	$0.60	$4.00
Anthemis Tinctoria, 2¼-inch pots	.60	4.00
" " Kelwayi, 2¼-inch pots	.60	4.00
Anemone Japonica Alba, 2¼ inch pots	.60	4.00
" " Elegans, 2¼-inch pots	.60	4.00
" " Lady Ardilaun, 2¼-inch pots	.60	4.00
" " Whirlwind, 2¼-inch pots	.60	4.00
" " Queen Charlotte, new, 2¼-in pots,	1.25	10.00
Boltonia Asteroides, strong divisions	.75	6.00
" Latisquama " "	.75	6.00
Caryopteris Mastacanthus, 2¼-inch pots	.60	4.00
Ceanothus Gloire de Plantieres, 3-inch pots	2.50	20.00
Clematis Recta, two-year-old	1.50	12.00
Coreopsis Lanceolata, strong clumps	.75	6.00
" " Grandiflora, strong clumps	.75	6.00
Delphinium Chinensis, one-year-old	.75	6.00
" Formosum, " " "	.75	6.00
" Sulphureum, two-year-old	2.00	15.00
" Belladona, 3-inch pots	2.00	15.00
" Frau Emma Metzger, 2½-inch pots	2.50	20.00
" Wilkie Collins, 2¼-inch pots	2.50	20.00
Doronicum Austriacum, strong plants	1.00	8.00
" Caucasicum, " "	1.50	12.00
" Excelsum, " "	1.25	10.00
Eupatorium Coelestinum, strong divisions	.75	6.00
Gaillardia Grandiflora, 3-inch pots	.75	6.00
" " 4 "	1.00	8.00
Gypsophila Paniculata, strong one-year-old	.75	6.00
Helenium Autumnale Superbum, strong divisions	1.00	8.00
" Grandicephalum Striatum, strong divisions,	.75	6.00
" Pumilum, strong divisions	1.25	10.00

DELPHINIUM.

	Per doz.	Per 100
Helianthus Multiflorus fl. pl., strong divisions	$0.75	$6.00
" " Maximus, strong divisions	.75	6.00
" Maximilliana, strong divisions	.75	6.00
" Rigidus, strong divisions	.75	6.00
Heliopsis Pitcherianus, strong divisions	.75	6.00
" Scaber, strong divisions	.75	6.00
" " Major, new, 2¼-inch pots	1.00	8.00
Heuchera Sanguinea, 3-inch pots	1.25	10.00
" Alba, 3-inch pots	1.00	8.00
Hollyhocks, Dreer's Superb Double: strong clumps. White, pink, salmon, yellow, bright red, maroon	1.25	10.00
Choice Mixture, strong clumps	1.00	8.00
Hollyhocks Allegheny, mixed, strong clumps	1.25	10.00
Hypericum Moserianum, two-year-old plants	1.00	8.00
Iris Kæmpferi, 24 finest named varieties, strong	1.50	10.00
" " choicest mixture	1.00	8.00
Incarvillea Delavayi, new	4.00	
Lychnis Vespertina Alba Plena, strong clumps	2.00	15.00
" Chalcedonica, fl. pl., strong 3-inch pots	1.50	12.00
" Viscaria Splendens, strong clumps	1.25	10.00
Physostegia Virginica, strong divisions	.75	6.00
" " Alba, strong divisions	.75	6.00
Platycodon Japonicum, fl. pl., strong clumps	1.00	8.00
Platycodon Mariesi, strong clumps	$0.75	$6.00
Primula Veris, English Cowslip	.75	6.00
Pyrethrum Hybridum, choice mixed seedlings, clumps	1.00	8.00
" " " " " 3-inch pots	.75	6.00
" Uliginosum, strong divisions	1.00	8.00
Ranunculus Acris, fl. pl., strong divisions	.75	6.00
Phlox, The Pearl, fine white, 2¼-inch pots	.75	5.00
" 25 finest varieties in cultivation, 2¼-inch pots	.75	5.00
Rudbeckia Golden Glow, large clumps	1.25	10.00
" " " strong divisions	.50	3.00
" Newmanni, " "	.75	6.00
" Purpurea, " "	1.00	8.00
Scabiosa Caucasica Blue, 3-inch pots	1.25	10.00
" " Alba, 3 "	1.25	10.00
Statice Latifolia, one-year-old plants	1.25	10.00
Tritoma Uvaria Grandiflora, clumps	1.50	12.00
" " " strong divisions	.75	6.00
" Pfitzeri, new, strong divisions	1.50	10.00
Veronica Longifolia Subsessilis, clumps	2.00	15.00
" " " 2¼-inch pots	.75	5.00
" Spicata, strong divisions	1.00	8.00
" " Alba, strong divisions	1.00	8.00

GENERAL COLLECTION OF PERENNIALS.

	Per doz.	Per 100
Achillea Filipendula, strong divisions	$0.75	$6.00
" Millefolium Roseum, strong divisions	.60	4.00
Aquilegia Chrysantha, 3-inch pots	.75	5.00
" " clumps	1.00	6.00
" " Alba, 3-inch pots	.75	6.00
Arabis Alpina, strong divisions	.75	6.00
Arenaria Balearica, strong	.75	6.00
Asclepias Tuberosa, strong	.75	6.00
Anemone Pennsylvanica, 3-inch pots	.75	6.00
Armeria Maritima, 2¼-inch pots	.60	4.00
" " Alba, 2¼-inch	.60	4.00
Asters, 12 choice varieties	1.00	8.00
Bocconia Cordata, strong divisions	.75	6.00
Campanula Aliariæfolia, strong divisions	.75	6.00
" Persicifolia, 2¼-inch pots	.60	4.00
" Pyramidalis, 2¼ "	.75	6.00
Digitalis, (Fox Glove) strong	1.00	8.00
Erigeron Purpureum, strong divisions	1.50	12.00
Funkia Coerulea, " "	.60	4.00
" Alba, " "	1.00	8.00
" Variegata, " "	.75	6.00
Geranium Sanguineum " "	1.00	8.00
Geum Coccineum, fl. pl., 3-inch pots	1.25	10.00
Hemerocallis Dumortieri	1.00	8.00
" Fulva	.50	4.00
" Flava	.50	4.00
" Kwanso fl. pl.	.75	5.00
Lysimachia Clethroides, strong plants	.75	6.00
Lythrum Roseum Superbum 3-inch pots	.75	6.00
Mertensia Virginica, 4-inch pots	1.00	8.00
Monarda Didyma Rosea, clumps	.75	6.00
" Fistulosa Alba, "	.75	6.00
Pardanthus Sinensis, strong divisions	.50	3.00
Papaver Orientalis, strong roots	.75	6.00
Penstemon Barbatus Torreyii, strong divisions	$1.00	$8.00
" Coerulea, " "	1.25	10.00
Phlox Subulata Alba	.75	5.00
" Atropurpurea	.75	6.00
" Lilacina	.75	6.00
" Nelsoni	.75	6.00
" Rosea	.75	5.00
" The Bride	.75	5.00
" Amœna	.75	6.00
" Divaricata Canadensis	.75	6.00
Pinks, Hardy Garden, clumps in 6 varieties	.75	6.00
Primula Cortusoides Sieboldii, 3 varieties	1.00	8.00
Spiraea Aruncus, strong	1.00	8.00
" Filipendula fl. pl., strong	.75	6.00
" Japonica, strong	.50	4.00
" Chinensis, "	2.50	20.00
" Palmata, "	1.25	10.00
" Venusta, "	2.00	15.00
" Ulmaria, "	1.00	8.00
Stokesia Cyanea, 2½-inch pots	1.25	10.00
Symphytum Asperrimum Aureo-Var., 3-inch pots	1.25	10.00
Thalictrum Aquilegifolium, strong	1.25	10.00
" " Atropurpureum, strong	1.25	10.00
Thermopsis Caroliniana, strong	1.00	8.00
Thymus Montanus Albus, divisions	1.00	8.00
" Vulgaris Coccinea, "	1.00	8.00
" Serphyllum Aureum, 2¼-in pots	.60	4.00
Tradescantia Virginica, strong	.75	6.00
Tricyrtis Hirta Nigra, 3-inch pots	1.00	8.00
Trollius Europæus	1.00	8.00
Veronica Incana, strong divisions	1.50	12.00
" Rupestris, strong divisions	1.00	8.00
Vinca Minor, clumps	.75	6.00

For a full line of Hardy Perennials, Hardy Climbers and all other seasonable stock, please refer to our Current Wholesale Price List.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

CRIMSON RAMBLERS

Extra heavy, 4 feet tall, 3-5 canes, $12 per 100. Good, 1 year plants, 18 inches tall, 3 or more canes, $8 per 100.

JACKSON & PERKINS CO., NEWARK, NEW YORK

TELEGRAPH CODE

OF THE

AM. SEED TRADE ASSOCIATION

$2.00,

in either stiff or flexible cover. ADDRESS ORDERS TO

AMERICAN FLORIST CO., CHICAGO.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

T. R. WATSON, the nurseryman of Plymouth, Mass., is seriously ill.

THE call for dormant, field grown rose plants is reported heavy, one private planter having included in his order 1,500 of this stock.

EAST MOORESTOWN, N. J.—The dwelling house of A. J. Collins, together with the packing and storage warehouse, barns and out buildings connected with the Pleasant Valley Nurseries, of which Mr. Collins is proprietor, were totally destroyed by fire on the afternoon of April 6. The loss, including several thousand dollars worth of trees and plants, is estimated at $15,000. There was an insurance of $10,000 on the buildings, which are to be immediately rebuilt.

Buffalo.

ALL THAT COULD HAVE BEEN EXPECTED MATERIALIZED AT EASTER.—ALL THE DEALERS DID GOOD BUSINESS.—KASTING PROPOSED FOR PARK COMMISSIONER.—NOTES.

Easter trade was all that could be expected and showed a healthy increase over last year. Plants, particularly lilies and azaleas, found a good sale, the former being sold out early. The Crimson Rambler rose has come to stay; with us they sold well; the masses of buds and blooms quickly caught the buyer. It is very easy to overdo the paper business. When you decorate a lily plant from the pot up to the flower you might as well get paper lilies and sprinkle with cologne. Still I strongly advocate decorated pots.

In one of our papers the other day the name of W. F. Kasting was suggested as a park commissioner. The florists have not been represented on our park board in twenty years, and with such men as Wm. Scott, W. J. Palmer, J. H. Rebstock W. F. Kasting and a number of others, it does seem strange.

The busiest man in the trade was Kasting. Everything, from a toothpick to a Rambler rose, was to be had of him. His annex was groaning with the load of stock it held, but all was cleared out by Saturday and "Billy" was happy.

Wm. Scott says no money could get him into a store again; he had more business than he could take care of, wholesale and retail, and all at one place.

Miss Reinhard and Mrs. Nussbaum said trade was fine, while Buddenborg's South Side store was rushed, as was also Mrs. Hinman.

Neubeck & Meyers and Wm. Belsey have what might be termed choice and select greenhouse trade and were busy.

Rebstock's store and two annexes did a large business. His plant trade was large.

Anderson and Adams had fine trade and Zimmerman had his first Easter and is happy.

Palmer's display and business were fine.

Prices I think were satisfactory to most of the customers. This was a good year for market men.

Harry Balsley, of Detroit, is with us, as is also Jos. Rolker. W. A.

CRIMSON RAMBLER, extra strong,
3 year old Budded stock, 4 ft. canes..... Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes.. 100, 20.00
2 year old Budded stock, 3 ft. canes..... Doz., $2.00 100, $15.00

DORMANT ROSES

Kaiserin A. Victoria, 2 year budded....100, $15.00
Mad. Caroline Testout, 2 year budded... " 15.00
Hermosa, extra strong Holland grown 2 year Own roots.....100, $13.00

ALL ON OWN ROOTS, AT $13.00 PER 100:
Gen. Jacq. John Hopper. Magna Charta.
Ulrich Brunner Mad. G. Luizet.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild.	Mad. G. Luizet.	Malmaison.	La France.
Gloire Lyonnaise.	Mrs. John Laing.	Fisher Holmes.	Coquette des Alpes.
Marie Baumann	Prince C. de Rohan.	John Hopper.	Giant of Battles.
Paul Neyron.	Capt. Christy.	Mad. Chas. Wond.	Gen. Washington.
Boule de Neige.	Magna Charta	Perle des Blanches.	Marshall P. Wilder.
Ulrich Brunner.	Gen. Jacq.		

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. VAUGHAN'S SEED STORE, 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

Clematis Paniculata AND Ampelopsis Veitchii

	100	1000
Clematis Paniculata, field grown		
No. 1	$ 8.00	$70.00
No. 2	6.00	50.00
X size	10.00	80.00
Hydrangea P. G. 1 year		18.00
" " 2 to 3 feet	9.00	
" " 3 to 4 feet	12.00	
Virginia Creeper		45.00
Eulalia Graci.lima, strong		15.00

	100	1000
Ampelopsis Veitchii, field grown.		
No. 1	$6.00	$50.00
No. 2	5.00	45.00
No. 3	4.00	35.00
X size	8.00	75.00
XX size	9.00	85.00
ROSES—Felicite Perpe'u	5.00	
F a.cois Levet	6.00	
Box Tree, 6 to 12 inches		20.00

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

NURSERYMEN Write for Sample and Price of.....

==Manetti==

FOR IMMEDIATE DELIVERY. FINE STOCK.

HARRY A. BUNYARD, 42 W. 28th St., New York City

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamora and Silver Leavad, all aizaa.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Please mention the American Florist when writing.

NEW SHELLBARK--HICKORY NUT,
"Hornor's Special."
RARE EVERGREEN TREES.
200 000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.

CHAS. B. HORNOR & SON, Mt. Holly, N. J.

Please mention the American Florist when writing.

NEW ROSES ::::

GRUSS AN TEPLITZ, an exceedingly healthy, strong growing forcing rose, similar to Liberty, but a stronger grower.

MAD. RENE GERARD, the improved Mad. Capucine. Fine stock. Write for prices.

BOSTON FERN, strong 2½-in., $5.00 per 100.

THE CONARD & JONES CO, West Grove, Pa.

PETUNIAS, DOUBLE FRINGED

From 2 inch pots	Per 100, $2.00
GERANIUMS, mixed, 2-inch..	" 2.50
COBÆA SCANDENS, 2-inch..	" 2.00

E. I. RAWLINGS, QUAKERTOWN, PA.

FRUIT and ORNAMENTAL TREES
SHRUBS
VINES
AND ROSES

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y.

Please mention the American Florist when writing.

THE FOLLOWING STOCK IN FINE, WELL-DEVELOPED SPECIMENS FOR IMMEDIATE EFFECT:

90 Crab, pink flowering fragrant, 5 to 7 ft	15c
60 Dogwood, white flowering, 7 to 9 ft	25c
50 " paniculata, 4 to 6 ft	10c
80 Tulip Poplar, 6 to 8 ft	20c
50 Walnut, white, 6 to 8 ft	15c
40 Willow, laurel-leaved, 8 to 10 ft	20c
Akebia Quinata, field plants	$10 per 100
Spiræa Van Houttei, 2½ to 3½ ft	$6 per 100
Catalpa Seedlings, 1 to 2 ft	$2 50 per 1000

T. S. TEAS, SALEM, OHIO.

American Florist Advts.

Mean More Business.

ETHEL CROCKER

is absolutely the best pink Carnation ever offered the trade. This is none too emphatic, and there are many others who think as we do. It will grow with you because it grows anywhere. This year it has been grown equally successfully by Hill, Herr and ourselves. It will grow in any soil or location. In color, size, fragrance, stem and keeping qualities it is just what the "storemen" want. In habit, constitution and freedom of bloom it is just what the grower wants; never out of crop from September until July. We have 6000 plants, 3000 of which we are growing for cuttings alone.

Below are a few expressions of opinions from the knowing ones. After reading them there will be, we think, no doubt in your mind as to which is THE ONE to grow for pink next season.

Winner of Certificates at New York, Philadelphia, Baltimore, Cincinnati, Chicago, Boston and Indianapolis.

ITS KEEPING QUALITIES.

The undersigned Committee having examined the vases of the new carnation "Ethel Crocker," report as follows: "There are two vases which contain seventy-five flowers. The water in the vases has not been changed for four days, nor have any flowers been renewed, and after being on exhibition the above length of time, we find fully ninety per cent of the blooms salable; none of them show any disposition to go to sleep and only five or six are commencing to fade, and under these conditions we cheerfully recommend it as a wonderful keeper."

(Signed), A. B. CARTLEDGE, EDWIN LONSDALE.
SAMUEL S. PENNOCK, DAVID RUST, Sec'y.

BALTIMORE, MD., Dec. 27, 1899.

ROBERT CRAIG & SON,

Gentlemen: We had, however, the pleasure of seeing "Ethel Crocker" in all her glory. We wish you would book our order for 2000 rooted cuttings of this variety and would be pleased to receive the stock out of the first batch sent off. We feel sure this variety will enjoy a large sale and predict for it a most brilliant future. For size, length of stem, color and fragrance it surpasses ANYTHING we have SEEN GROWING.

Yours very truly, HALLIDAY BROS.

PHILADELPHIA, Oct. 3, 1899.

ROBERT CRAIG & SON,

Gentlemen: The new pink carnation "Ethel Crocker" which you have been sending us is most satisfactory. At this early date the flowers are up to the midwinter standard of the old favorites, in fact it is larger, the form is perfect and the color, almost exactly that of the Bridesmaid rose, is ideal. The stem supports the flower admirably. We believe it will become very popular as the few we have been receiving have been snapped up at once. We congratulate you on having such a good stock of this variety. Yours respectfully,

JOS. KIFT & SON.

FLATBUSH, BROOKLYN, N. Y., Nov. 21, 1899.

MESSRS. ROBERT CRAIG & SON, Philadelphia, Pa.,

Gentlemen: After viewing your new carnation "Ethel Crocker" we feel justified in ordering 2500. The color seems excellent and promises to be a free bloomer; the variety has apparently an exceptionally good constitution and stem, and the calyx is all that could be desired up to this date. The dozen plants we have growing are all that could be expected, having received them too late for comparison with other varieties, which we regret.

Yours very truly, BAILLEDOUZE BROS.

ROBERT CRAIG & SON, FRAMINGHAM, MASS., Nov. 23, 1899.

Gentlemen: Kindly book my order for 500 rooted cuttings of "Ethel Crocker," as I think it is one of the finest fancy carnations for commercial purposes. Very truly yours, WM. NICHOLSON.

ROBERT CRAIG & SON, PHILADELPHIA, Oct. 18, 1899.

Gentlemen: Your new carnation "Ethel Crocker" is without doubt by far the finest pink carnation for fall use we have handled yet, in fact, the finest we have seen on the market anywhere.

Very truly yours, PENNOCK BROS.

Extract from American Florist, Phila. Notes, Oct. 14, 1899.

I neglected, in my report of the Florists' Club meeting, to speak of a vase of "Ethel Crocker" carnation exhibited by Robert Craig & Son. It attracted a great deal of attention and all the carnation experts present seemed to be of one mind in declaring it to be the finest pink they had ever seen. It was quite the equal of any of the present favorites in their best midwinter stage, which, when one considers the early date, Oct. 3, speaks volumes in its favor.

From Florists' Exchange, Phila Notes, Oct. 7, 1899.

Robert Craig & Son exhibited a vase of the new California carnation "Ethel Crocker," which created quite a sensation. The flowers are 2½ to 3 inches in diameter, stems stiff; in fact the flowers are remarkable for so early in the season. The above firm has a house of this variety for flowering this season and it certainly should take well.

From American Florist, New York Notes, Oct. 14, 1899.

On the exhibition table Mr. Craig had a vase of the beautiful new pink carnation, "Ethel Crocker" which was highly commended by the exhibition committee and duly admired by all, the carnation giving every promise of being a winner.

From Florists' Exchange, New York Notes, Oct. 14, 1899.

The following exhibit was made by Robert Craig & Son, to whom a vote of thanks was tendered:

Vase of the new California carnation "Ethel Crocker." The color of the flowers showed up very prettily under artificial light, being a deep, salmon pink. The stems were of good length and held the blooms up well. The exhibition committee awarded the variety honorable mention, and expressed a desire to see it again later in the season.

CARNATION CUTTINGS.

G. H. CRANE. The best scarlet carnation ever introduced. This fact is conceded by all who have grown it. Price reduced to $5.00 per 100; $45.00 per 1000. 20,000 now ready.

GEN. MACEO. All agree that this is the most profitable crimson pink in cultivation today. We have 15,000 selected cuttings ready to ship at once. Price, $5.00 per 100; $45.00 per 1000.

GEN. GOMEZ. Almost as profitable as Maceo. It has a longer stem and is a brighter color than Maceo. Try some of each—they are both money makers. Extra fine lot of cuttings, $3.00 per 100; $25.00 per 1000.

All ready to ship the day we receive your order.
Here are the varieties and prices:

AMERICA. $3.00 per 100; $25.00 per 1000.
WHITE CLOUD. The best white. $3.50 per 100; $30.00 per 1000.
MRS. FRANCES JOOST. Better than "Scott." $3.50 per 100; $30.00 per 1000.
GOLD NUGGET. $3.00 per 100; $25.00 per 1000.
OLYMPIA. $12.00 per 100; $100.00 per 1000.
MRS. THOS. W. LAWSON. $14.00 per 100; $120.00 per 1000.
GENEVIEVE LORD. $10.00 per 100; $75.00 per 1000.

ETHEL CROCKER. $10.00 per 100; $75.00 per 1000.

25 at 100 rate; 250 at 1000 rate. All strong, well rooted cuttings.

ROBERT CRAIG & SON, Market and 49th Streets, PHILADELPHIA, PA.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The following are the scores made on the afternoon of Monday, April 16:

Player	1st	2d	3d	4th	5th
Traendly	158	147	140	139	171
Hafner	118	135	152	158	172
Marshall	191	135	145	150	181
Moody		112	145	128	167
T. J. Lang			147	207	179
Doolon					115

At St. Louis.

The St. Louis bowling team had a very slim attendance at the last meeting, April 9. J. J. Beneke, one of the heavy bowlers, has rheumatism in his bowling arm, consequently was unable to roll. The following is the score:

Player	1st	2d	3d	4th	5th	Av
Kuehu	148	227	164	168	151	171
Kunz	137	143	150			143
Young	159	163	112	153	116	140

J. M. H.

Cleveland.

EASTER WAS GOOD FOR ALL KINDS OF DEALERS.—MARKED SCARCITY OF CARNATIONS.—LILIES NOT PLENTIFUL.—PLANT SALES WERE HEAVY.

From the reports of various florists, retail, wholesale and market, it would appear that all enjoyed a very good Easter trade. One of the most noteworthy features would appear to be the scarcity of carnations, although this condition was foreshadowed some time before in the appearance of the crop with various growers. As a result carnations ruled much higher, both wholesale and retail, than usual in other years, even when Easter fell upon a much earlier date than it did this year. Lilies were short with some retailers; others had enough to see them through, but there was no surplus. Really good lilies were sold out early. Aside from carnations, there does not seem to have been any shortage in the cut flower supply. Dutch bulb stock was less seen than in other years but there seems to have been a greatly diminished call for them, which is a very good thing for the American growers. Violets are variously reported, but in general the supply was equal to the demand, a condition with which the late spring doubtless had much to do.

When one begins to ask questions relative to the sale for plants it does not take long to develop the fact that this was more of a plant Easter than any previous one. All kinds of plant stock, when good, sold well, lilies, azaleas and Crimson Rambler roses being among the leaders in this line. In the matter of prices, there was not much change from the normal. The general report would seem to indicate an increase of from ten to fifteen per cent in sales. The very bad weather that prevailed up to Saturday undoubtedly had considerable effect in curtailing the receipts in the stores. Probably from this circumstance the market men reaped considerable advantage on Saturday, as great numbers of people who had not bought previously, went there to see the display and, being there, bought. A.

PONTIAC, ILL.—W. J. Miller sees a bright prospect for spring and has provided a big stock of bedding plants.

WATERTOWN, N. Y.—Greene & Underhill have filed a claim against the city for $1500 damages caused by the overflow of a sewer which flooded a portion of their establishment on February 9.

THE MOST ACCEPTABLE CUT FLOWER FOR DECORATION PURPOSES

For National Decoration Day uses, bridal, banquet and funeral occasions is the GRANDIFLORA JASMINE bud; ours cannot be excelled. This beautiful flower is a phenomenal keeper; they are due to bud about May 10th, season lasting about one month. Prices are $5.00 per thousand, 75c per 100, f. o. b. Alvin, Texas. Terms cash with order. Orders booked now.

J. M. WEEMS,
ALVIN, TEXAS.

COLEUS ROOTED CUTTINGS
VERSCHAFFELTII, GOLDEN QUEEN, Assorted kinds. Usual prices.....
L. H. FOSTER, 45 King Street, Dorchester, Mass.

Oh! What a Difference

Between the usual auction room stock and that we are going to open up this season. Mr. McCarthy has just returned from Europe after inducing growers of high repute to consign stock such as is seldom seen in the United States. It will be offered at the regular auction sales on April 24th and 27th. It includes 20,000 Hybrid Roses, 5000 Ornamental Conifers and Evergreen Shrubs, 50,000 deciduous Trees and Shrubs, all the most desirable sorts. Symmetrical specimens of Cupressus, Box and Retinospora. Fifty splendid standard and pyramidal Bays. All in fine condition. Send for Catalogue. Remember the date. Sales begin at 9:30 A. M. promptly each day.

N. F. McCARTHY & CO. 84 Hawley Street, BOSTON, MASS.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

American Beauty, long.... per doz.	$4.00	to $6.00
" " medium "	3.00	to 3.50
" " short .. "	1.00	to 1.50
	Per 100	
Bride, Maid, Meteor	$ 4.00	to $ 8.00
Perles	2.00	to 5.00
Carnations, fancy	3.00	to 4.00
" common	1.50	to 2.50
Callas and Harrisii	10.00	to 12.50
Tulips	2.00	to 3.00
Daffodils	3.00	to 4.00
Violets	.25	to .75
Smilax	15.00	to 20.00
Adiantum	.60	to .75

CARNATION CUTTINGS.

	Per 100	Per 1000		Per 100	Per 1000
G. H. Crane	$6.00	$50.00	John Young	2.50	20.00
Mrs. Geo. M. Bradt	5.00	40.00	Cerise Queen	2.50	20.00
White Cloud	4.00	30.00	Jubilee	2.00	15.00
Macéo	6.00	50.00	Flora Hill	2.00	15.00
Gomez	5.00	40.00	Mayor Pingree	2.50	20.00
Glacier	6.00	50.00	Triumph	2.50	20.00
America	5.00	40.00	Daybreak	2.00	15.00
Gold Nugget	4.00	30.00	Evelina	2.00	15.00
Mary Wood	3.00	25.00	Wm. Scott	2.00	15.00
Melba	5.00	40.00	Albertini	2.50	20.00
New York	3.00	25.00	Meteor	2.00	15.00
Mrs. James Dean	3.00	25.00	Argyle	2.00	15.00
Mrs. Frances Joost	3.00	25.00			

BEST STOCK ALWAYS SHIPPED UNLESS OTHERWISE ORDERED.

KENNICOTT BROS. CO., 42-44 East Randolph St., CHICAGO.

"THE PACE THAT KILLS"

Trying to keep up with us is what is keeping them busy.

SINCE THE ESTABLISHMENT OF OUR BUSINESS WE HAVE PAID EVERY CONSIGNOR WEEKLY, IN FULL.

We are doing business now on other proper methods that some of them will adopt sometime, when they get to where we are now.

WE LEAD - - - OTHERS FOLLOW

E. C. AMLING,

WALTER S. HEFFRON, Manager.

34 Randolph Street,

CHICAGO, ILL.

Wholesale Cut Flowers.

5000

EACH OF THE FOLLOWING!

DAHLIAS, whole roots, fine assortment, $60.00 per 100.
WICHURAIANA Roses, 1 and 2 yrs., $50 and $75.00 per 1000.
ROSA MULTIFLORA JAPONICA, 2 and 3 years, $50.00 and $75.00 per 1000.
ROSA RUGOSA, 3 to 4-ft., at $2.50 per 1000.
HALL'S HONEYSUCKLE, strong, $50 00 per 1000.
CLEMATIS PANICULATA, pot grown, $60.00 per 1000; 2 yrs., field grown, $90.00 per 1000.

New Trade List Now Ready.

The WM. H. MOON CO.,
Morrisville, Pa.

BRANT & NOE

Forest Glen,
CHICAGO, ILL.

WHOLESALE GROWERS OF ROSES

Roses Carefully Graded. Quality and Prices Right. Packing Free. TRY US.

For seven years we have shipped direct from our greenhouses to retail florists and held the same customers. Stock only once packed, shipped evening of day they are cut and arrive next morning in following and intermediate cities: Minneapolis, St. Paul, Omaha, St. Louis, Cincinnati, Washington, Indianapolis, Cleveland, Detroit, Pittsburg, Buffalo.

Buyers thus save twenty-four hours' first freshness.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

CYCLAMEN SEEDLINGS,

Dreer's Giant Strain, transplanted, strong seedlings, $2.50 per hundred.
CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

ROSES FOR SUMMER PLANTING.

Now is the time to secure A1 Stock to grow on for next season.

LIBERTY, the new crimson; stock limited. On own roots, from 2½-inch pots, $25.00 per 100. Grafted stock, " " " $40.00 "

LADY DOROTHEA, new, buff color; } 2-inch,
ADMIRAL DEWEY, " blush " } $10.00 per 100.

HYBRID TEAS.

AMERICAN BEAUTY, 2-inch, $7.00 per 100, $65.00 per 1000.

KAISERIN AUGUSTA VICTORIA, LA FRANCE, MME. CAROLINE TESTOUT, METEOR, MRS. ROBERT GARRETT, SOUVENIR DE WOOTTON, selected stock, $5.00 per 100, $45.00 per 1000.

TEAS, standard varieties.

BRIDESMAID, BON SILENE, CATHERINE MERMET, MME. HOSTE, NIPHETOS, MRS. PIERPONT MORGAN, PAPA GONTIER, PERLE DES JARDINS, SUNSET, THE BRIDE, selected stock from 2-inch pots, $5.00 per 100, $45.00 per 1000.

ROSES FOR SUMMER BEDDING, CLIMBERS, ETC.

JOHN N. MAY, Summit, N. J.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial. ...The American Florist.

Always mention the American Florist when you order stock.

Elmira, N. Y.

Easter trade was lively but came with a rush at the last moment, for the weather was rough and unfavorable up to Saturday. There was a decided shortage of lilies and carnations. Bermuda grown lilies are more and more unsatisfactory for forcing. Forty to fifty per cent are more or less diseased and the balance have an irregular blooming season. White and light colored flowers and blooming plants were preferred last season, while this Easter bright colors sold best. Violets were of unusual quality for so late in the season and sold well. Carnations were fine but not enough to go around. Golden Gate was the favorite rose. White and yellow marguerites, sweet peas and double white lilac were in great demand. The best mignonette was the Imperial, a hybrid Machet. Pans of blooming pansies sold ahead of bulbous stock. Daffodils outsold tulips four to one. Hyacinths were less called for than usual at Easter. Sales exceeded last Easter, probably twenty-five per cent. GROVE P. RAWSON.

Richmond, Ind.

Trade was about the same as last year, with little call for plants outside of Easter lilies, which were short of the demand. Roses were plentiful at $1.50 to $2. Carnations were in good demand at 75 cents for common. Fancy Flora Hill sold at $1 (by keeping stock out of sight and supply limited to one good vase). Violets were in fair demand and daffodils and hyacinths cleaned up just right at 75 cents and $1 per dozen for best. Church decorations of any note seem to be lost to this city for Easter, except as done by the individual members. B.

"Trade Follows the Flag"

NOT ONLY
THE NATION'S EMBLEM,
... BUT THE....

RED FLAG

...OF...

Wm. Elliott & Sons

It hangs out at 54 and 56 Dey St., New York City, every Tuesday and Friday, and signifies that the Plant Auction is going on inside.

YOU ARE INVITED

To call and buy good stock at your own price. The largest variety from the best growers.

Bids by mail receive the same consideration as if you were present.

Send your name for a Catalogue.

KENNICOTT BROS. CO.

CALL ON US IF YOU HAVE ANYTHING TO SELL.

Money on Demand. We pay all shippers every Monday. Don't let anyone owe you. Ship to us and get the market price and the cash each week.

42 and 44 E. Randolph St., CHICAGO, ILL.

Wholesale Commission Florists.

60,000 WINTER FLOWERING ROSES

Grafted and on their Own Roots

SEND FOR PRICES. J. L. DILLON, Bloomsburg, Pa.

ROSES

GRAFTED, WINTER BLOOMING.
Brides, Bridesmaid, Golden Gate.

GRAFTED, SUMMER BLOOMING.
Pink Soupert, Clothilde Soupert, Kaiserin Augusta Victoria, President Carnot.

OWN ROOTS.
Maman Cochet, white and pink, 2½-in. pots. Prices on any quantity.

H. P., low budded, in variety.....$10.00 per 100
Clothilde Soupert, dormant..... 12.00 per 100

BOBBINK & ATKINS
RUTHERFORD, N. J.

Liberty Orders received for April and May delivery.

All winter forcing Roses from 2½-in. pots.

WRITE FOR PRICES.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Send 50c or $1 For samples and prices of Roses. Am. Beauties, Perles, Kaiserins, La France, Brides, Maids, Woottons, Belle Siebrecht and Golden Gate. We believe in shifting young Roses often. All stock offered in 2½-in. pots has been shifted from 2-in. and is equal to most stock advertised as 3-in. and when we send it out is well established. Geraniums in 3 and 4-in. pots. Coleus in 2-in. and rooted cuttings. Write GEO. A. KUHL, PEKIN, ILL.

CHICAGO CARNATION CO.

Extra strong plants of JOOST from soil, $15 00 and $20 00 per 1000, according to size.

JOLIET, - - ILL.

THE BEST CARNATIONS.

	Per 100	Per 1000
White Cloud, the best white	$3.00	$25.00
Mrs. Joost, best clear pink	3.00	25.00
G. H. Crane, best new scarlet	6.00	50.00
Gen'l Maceo, best dark crimson	6.00	50.00
Mrs. Bradl, best variegated	4 00	35.00

12 Novelties of 1900. 27 the best Standard varieties. ☞Send for complete list.

GEO. HANCOCK & SON, Grand Haven, Mich.

ROOTED CUTTINGS

	Per 100	Per 1000
G. H. CRANE	$5.00	
AMERICA	3.00	$25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINIA	1.00	7.50
SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	Per 1000
METEOR	$1.50	$12.50
BRIDESMAID	1.50	12.50
BRIDE	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS.

FROM 2½-IN. POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
BRIDESMAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All Plants and Cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG,
51 WABASH AVE., CHICAGO.

HEACOCK'S PALMS

Awarded Certificate of Merit, Penna. Horticultural Exhibition at Phila., March 21, 1900, for Choice Areca Lutescens, Etc., Etc.

Choice ARECA LUTESCENS, KENTIA BELMOREANA, LATANIA BORBONICA, and PHŒNIX RUPICOLA.

ARECA LUTESCENS—

8-inch pot (3 plants), very bushy, 26 to 30 inches high	$2.00
8-inch pot (3 plants), very bushy, 30 to 36 inches high	2.50
14-inch pot (3 plants), very bushy, 7 to 8 feet high	20.00

KENTIA BELMOREANA—

	Per Doz.	Per 100
3 inch pots, 4 to 5 leaves, 10 to 12 inches	$3 00	$25.00
4-inch pots, 5 to 6 leaves, 15 to 18 inches	6.00	50.00
6-inch pots, 6 leaves, 20 to 24 inches	18.00	150.00

LATANIA BORBONICA—

	Each
10-inch pots, 9 to 10 leaves, 30 to 36 inches high, 42 inches wide	$4.00

PHOENIX RUPICOLA—

8-inch, 24 inches high	$2.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. **A trial order is solicited.**

JOSEPH HEACOCK, Wyncote, Pa.

Please mention the American Florist when writing

Grafted Roses A No. 1 STOCK

ORDERS BOOKED NOW.

AM. BEAUTY, BRIDE, BRIDESMAID, CARNOT, GOLDEN GATE, KAISERIN, METEOR—2½-in. pots, $12 00 per 100; $90.00 per 1000.

S. J. REUTER, Westerly, R I.

Please mention the American Florist when writing

GRAFTED KAISERIN AND CARNOT

GILT-EDGE STOCK.

Plant NOW for summer bloom.

ROBERT SIMPSON, Clifton, N. J.

Please mention the American Florist when writing.

Roses

Bride, Bridesmaid, Perle, Sunset, Golden Gate and Kaiserin.

HUNTSMAN & CO., Cincinnati.

Please mention the American Florist when writing.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3 00 a 100, $25.00 a 1000.

J. B. HEISS,

The Exotic Nurseries. DAYTON, O.

AMERICAN BEAUTY, A No. 1 stock.

	Per 100	Per 1000
2½-inch pots	$5.00	$45.00
BRIDES, 2½-inch	3.50	30.00
BRIDESMAIDS, 2½-inch	3.50	30.00
PERLES, 2½-inch	3.50	

CASH WITH ORDER.

JOHN MUNO, Rogers Park, Chicago.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

AI STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

Please mention the American Florist when writing.

ROSE PLANTS

From 2½ in. Pots.

	Per 100	Per 1000
THE BRIDE	$3.00	$25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00

THESE are clean, strong plants, fully up to the character of the stock we have sent out in previous years. All stock is guaranteed, all orders are carefully filled and well packed.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

Please mention the American Florist when writing

WE HAVE OUR USUAL FINE STOCK OF

American Beauty Plants.

JOHN BURTON, Wyndmoor, Philadelphia, Pa.

Poughkeepsie, N. Y.

The violet growers of this place sent 1,000,000 flowers to New York for Easter, keeping up their express shipments until 2 a. m. on Sunday. The number of separate boxes was so great that it makes the arms of the expressmen ache to even think of the returning "empties." Mrs. M. J. Moore, of Highland, supplied 100,000 violets to Ford Bros. and from Rhinebeck went other thousands. The cuts were so heavy and the sales so satisfactory that a great deal of building is contemplated for this season.

All the retail florists had extra wagons delivering for Easter and if the rush would only last a couple of weeks longer I think some of them could retire. There was an unprecedented demand for good lilies, azaleas and cinerarias in 8-inch to 10-inch pots. L.

GRAND FORKS, N. D.—M. V. Williams has opened a flower store here, deriving his supplies from the North Dakota Nursery, of Hillsboro.

WYOMING, N. Y.—Sometimes we hear of persons who combine the florist business with various incongruous and unrelated trades but no associations are more strange than those of Wm. Roberts & Son who have been established as blacksmiths for thirty years and who have done a successful florist trade for a long time.

CARNATIONS.

Strong, Well-Rooted Cuttings. Select Stock.

	Per 100	Per 1000
G. H. Crane	$6.00	$50 00
Morning Glory	6.00	50 00
Gen Maceo	6.00	50.00
Glacier	6 00	50 00
America	5 00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40.00
White Cloud	4.00	30.00
Mary Wood	3.00	25.00
Mrs. F. Joost	3 00	25.00

And other standard sorts.

F. DORNER & SONS CO., LAFAYETTE, IND.

Perpetual Blooming HYBRID CARNATIONS

Crossings between Marguerite and Remontant.

They are what we can recommend as truly summer flowering varieties. They begin to bloom in the field in July and continue until frost sets in. Flowers medium size, growth very rapid. Can offer them in 10 varieties in as many colors, well established plants, at $5.00 per 100, by express, or the set of 10 varieties R. C. for 50c by mail.

ETHEL CROCKER, the best pink Carnation, from 2½-inch pots, $10 00 per 100. Rooted Cuttings, $8.00 per 100.

C. EISELE,
11th and Jefferson Sts., Philadelphia, Pa.

Extra Fine Meteor Rose Plants

2½-IN. POTS NOW READY.

Surplus Stock from Plants reserved for our own use, at the low price of

$2.50 per 100, $20 per 1000

ADDRESS **THE FLORAL EXCHANGE, INC.**
Edgely, Bucks Co., Pa.
The home of the FAMOUS NEW ROSE THE QUEEN OF EDGELY, Pink American Beauty.

To the Trade.

WALTER RETZER & CO.

Desire to announce that they have purchased the entire plant, business and stock of **Albert Fuchs, 2059-73 N. Halsted Street, Chicago.** The stock includes large quantities of Kentias and Latanias in commercial sizes, several thousand extra fine Boston Ferns, and many other items, in fact, it is the largest and best stock of tropical plants in the west. We shall aim to so conduct our business as to warrant your continued patronage. We want your trade. Please write us in regard to your needs.

Chicago, April 18, 1900.

Carnation Cuttings!

	Per 100	Per 1000
G. H. CRANE	$5.00	
TRIUMPH	1.50	12 50
EVANSTON	2.50	20.00
GOLD NUGGET	2.00	15.00
JUBILEE	2.00	15.00
FLORA HILL	1.25	10.00
ARGYLE	$1.25	$10.00
ARMAZINDY	1.25	10.00
McGOWAN	.75	5.00
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
TIDAL WAVE	1.00	7.50

AMERICAN BEAUTY ROSE BUSHES

Lifted from benches, cut back to 2 feet.....Per 100, $2.50; per 1000, $20.00

PLANTS FROM 2½-INCH POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
MAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	$3.00	$25.00
LA FRANCE	3.50	30.00
KAISERIN	4.00	35.00

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1 50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs G. Bradt, var	5.00	Wm. Scott, pink	1.00
Glacier, white, fine	4.00	Lizzie McGowan	1.00

Gen. Maceo, best crimson.....$5 00 per 100
Mrs. Jas. Dean, fine pink.....3 00 per 100
Nephrolepis Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12 00 per doz.
Cash please. **CARL HAGENBURGER,** West Mentor, O.

CARNATIONS ROOTED CUTTINGS.

Crane $6 per 100, America $5 per 100, White Cloud $4 per 100, Jubilee $2 per 100, Scott, Daybreak, Victor, Flora Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

ROSES, 2-in. Pots, Select Stock.
Perle 4c, Brides and Bridesmaids 3c. Send for list of other varieties.

WM. MURPHY, Station F, Cincinnati, O.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10.00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1 00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

Ethel Crocker

30,000 plants from soil for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50 100 for $10.00; 250 for $18.75; 000 for $75.00.

PANSIES Freya and Fairy Queen.

Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIAS.

Adonis, carmine with pure white throat, and Snowball, a pure white; they are always in bloom and a good plant for retail. 25 of each for $1.00, or $2.00 per 100, from 2-inch pots.

ALBERT M. HERR, Lancaster, Pa.

Violets MARIE LOUISE and FARQUHAR Runners.

Some rooted, some not rooted; good, strong, clean stock, right from the clumps. No disease. No black fly. Cash with order.

JOSEPH MARKLE, Rhinebeck, N. Y.

We've thousands of readers and hundreds of advertisers. Each helps the other.

ROOTED CUTTINGS, Strictly First-Class and Guaranteed.

Pink.	100	1000
Mrs. Frances Joost	$2.50	$20.00
Mrs. James Dean	2.50	20.00
Cerise Queen	2.00	15.00
Mrs. McBurney	1.50	12.00
Wm. Scott	1.00	7.50
Dorothy Sweet	3.00	25.00
Victor	2.00	15.00
New York	2.00	15 00
Painted Lady, cerise	1.50	12.00
Daybreak, lt. pink	$1.25	$10.00

White.	100	1000
John Young	$3.00	$25.00
White Cloud	3.50	25.00
Alaska	1.50	12.00
Genesee	2.00	15.00
Mary Wood	3.00	25.00
Evelina	1.25	10.00
Flora Hill	1.50	12.00
McGowan	1.00	7.50

Scarlet.	100	1000
G. H. Crane	$6.00	$50.00
Portia	1.50	12.00
America	4.00	35.00
Bon Ton	2.00	15.00

Crimson.		
Evanston	2.00	15.00

	Doz.	100	1000
Mrs. Lawson	$3.00	$14.00	$120.00
Olympia	2.00	12.00	100.00
Ethel Crocker	1.50	10.00	75.00
Genevieve Lord	2.00	10.00	75.00
Chicago	1.50	7.50	60.00
Marquis	1.50	10.00	75 00

Variegated.	100	1000
Mrs. Bradt	$4.00	$35.00
Psyche	1.50	12.00
Armazindy	1.50	10 00
Eldorado	2.00	15.00

Yellow.		
Gold Nugget	$2.50	$20.00
Gov. Pingree	1.50	12.00

Carmine.		
Argyle	$1.50	$12.00

ROSES, from 2½-in. pots. 100 1000

Beauties	$6.00	$50.00
Brides	4.00	35.00
Maids	$4.00	$35.00
Perles	4.00	35.00

Guaranteed strictly first-class stock and free from disease. Cash discount on 1000 lots. 500 at 1000 rates; 50 at 100 rates.

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

CHRYSANTHEMUMS

FOR EXHIBITION.

The following select list of prize-winners is now in excellent condition for immediate shipment.

FROM 2¼ IN POTS.	Per 100
Frank Hardy	$3 00
Mayflower	3.00
Western King	4.00
Capt. Gridley	5 00
Mrs. M. A. Ryerson	3 00
Modesto	3.00
E. Dailledouze	3.00
Mrs. J. J. Glessner	3.00
Georgiana Pitcher	3.00
Golden Wedding	4.00
V. Morel	3 00
H. Bloodgood	3.00
Iora	4 00
Autumn Glory	3.00
Mrs. W. C. Egan	3 00
Black Hawk	3.00
Bruant	5.00
Lady Hanham	5 00
Shilowa	5.00
Chito	3 00

NATHAN SMITH & SON, ADRIAN, MICH.

CHRYSANTHEMUMS

Bessie Burton	Mrs. John J. Glessner
Bonnaffon	Modesto
Cullingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. O. P. Bassett
Ivory	Niveus
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J. C. Whilldin
Miss Minnie Wanamaker	

And others from 2½-in. pots. $2 per 100, $15 per 1000

HARDY POMPON CHRYSANTHEMUMS

In 10 named varieties, 2½-in pots, $1 00 per 100; $15,00 per 1000. 10 named varieties rooted cuttings, $1 00 per 100. $7 50 per 1000. "Cash with order."

R. VINCENT JR. & SON, White Marsh, Md.

New Yellow Chrysanthemum

WALTER MOLATSCH

Ready March 1st, 1900.

Price 50c each, $4.00 per doz., $25.00 per hundred. Three certificates by C. S. A. For sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y., and **H. A. MOLATSCH,** 68th St., bet. 8th & 9th Avenues, Brooklyn, N Y

Now Ready--New Pink Chrysanthemum

MISS FLORENCE E. DENZER

Certificated by the C. S. A. Dec. 21st, 1899.

The latest Mum. Blooms for Christmas. See cut in Florists' Review of Dec 21, 1899 Rooted Cuttings, $8 00 per 100; from 2½-in. pots, $10 00 per 100

ANT. C ZVOLANEK, Summit Av. & Angelique St. WEST HOBOKEN, N. J.

VINCA VINES AND SMILAX.

	Per 100
4-inch pot Vinca Vines	$8.00
2½-inch pot Vinca Vines	2.50
Plants from flats (these have been in flats for past two months)	1 50
2½-inch pot Smilax	2.00

Cash With Order or C. O. D.

WM. A CLARK & SON, 59 State St., Watertown, N. Y.

VIOLETS. A few thousand rooted cuttings of Marie Louise, Farquhar, Lady Campbell, Swanley White. This stock all free from disease. $6.00 per 1000. Cash with order. **ELI CROSS,** Grand Rapids, Mich.

GENEVIEVE LORD

The ideal pink carnation. Strictly speaking, a commercial variety, yet size and exhibition qualities are not lacking. The color is that happy shade called by the ladies "just right." Its stem is unequalled by any carnation. It is a prodigious grower and the most remarkable producer of high grade blooms we have ever grown. An easy, rapid grower; makes large plants from late cuttings. We can promise prompt delivery after April 10th. Stock for delivery prior to that date all sold. Cuttings positively free from rust and in other respects very hard to duplicate.

Price: Doz., $2; 100, $10; 1000, $75.

Our catatalogue is now ready, giving complete description of above, also all of the other big new ones at introducers' prices. Also comp ete list of standard varieties, all the best new and standard chrysanthemums. Catalogue sent for the asking.

H. WEBER & SONS,
OAKLAND, MD.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

☞ Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000
G. H. Crane	$6.00	$50.00
General Gomez	5.00	40.00
General Maceo	5.00	40.00
Mrs. Frances Joost	3.00	25.00
Mrs. G. M. Bradt	5.00	40.00
White Cloud	3.00	25.00
Glacier	6.00	50.00
Cerise Queen	3.00	25.00
Mrs. Jas. Dean	3.00	25.00
Flora Hill	$2.50	$20.00
America	6.00	50.00
Melba	5.00	40.00
Maud Adams	5.00	40.00
Gold Nugget	3.00	25.00
Jubilee	3.00	20.00
Daybreak	2.00	18.00
Tidal Wave	2.00	15.00
Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

KENNICOTT BROS. CO.

CALL ON US IF YOU HAVE ANYTHING TO SELL.

Money on Demand. We pay all shippers every Monday. Don't let anyone owe you. Ship to us and get the market price and the cash each week.

42 and 44 E. Randolph St., CHICAGO, ILL.

Wholesale Commission Florists.

Peoria, Ill.

Easter trade was excellent. Pot lilies, spiræas, Rambler roses and cinerarias were fairly abundant. J. C. Murray had the largest display, renting an extra store for the purpose. There were some fine tea roses at Kuhl's. Cole Bros. did not get in all their lilies, but did well, and on the whole everyone is satisfied. Harrisii plants with ten to fourteen buds and flowers brought $2.50; smaller plants, $1 50. Cut roses were $1 to $2, carnations, 35 cents to 60 cents. Saturday was a fine day and many more one-dollar lilies could have been sold had not the supply run out. PEORIAN.

TAUNTON, MASS.—Capt. S. H. Walker has brought suit against Mrs. J. L. Briggs for $1,000. The greenhouses belonging to the former have been leased by Mrs. Briggs for the past five years, one of the provisions in the lease being that the houses should be left in as good order as they were when the lease became operative. Capt. Walker claims that this is not the case and the matter has been referred to an auditor, and if the auditor's finding is satisfactory to both parties, the case will be settled without further court proceedings.

Violet Plants

Healthy and Clean
No Disease

ROOTED RUNNERS AND DIVIDED PLANTS

$7.00 per 1000

J. B. DEAMUD, 51 Wabash Ave. Chicago.

Please mention the American Florist when writing.

Orchids!

Arrived in perfect condition, a grand importation of CATTLEYA PERCIVALIANA. Write for price lists of imported and established orchids.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also High Grade Mixed Dahlias and Dahlias under Separate Colors.

W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,

WHOLESALE FflorIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

Please mention the American Florist when writing.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....

$2.00 Per Year. Sample Copies Free.

Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. CHICAGO.

New **DOUBLE FLOWERING BEGONIA**

Everblooming.

(*Begonia Semperflorens*).

Largest Stock IN THE Country

BOULE DE NEIGE (white).
GLOIRE DU MONTET (dark pink)
NANCY (light pink)
TRIOMPHE DE LORRAINE (crimson)

GOOD STRONG PLANTS.
GOOD HOUSE PLANT.
GOOD BEDDER.

4 Plants, $1.00; 100 plants, $20.00
25 Plants at 100 rate.

WALTER H. MURDOCK, 49 Crigg St., Cambridge, Mass.

GERANIUMS.

AMERICA—out of 4-inch pots, strong; grandest Geranium under the sun. 50 cts. each; $5.00 per dozen; $25.00 per hundred.

MARS—2½-inch, strong, fine plants, standard border Geranium. $4.00 per hundred; $35.00 per thousand.

DRYDEN—2½-inch pots, strong plants, finest fancy bedder, will become a favorite standard when better known. $10.00 per hundred.

NOVELTY SET (15) of 1899, including one America, 2½-inch pots, greatest money value of the season. $2.00 per set.

Our stock is in the healthiest possible condition. Cash please

HENRY EICHHOLZ, Waynesboro, Pa.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta H, Philadelphia

EDWIN LONSDALE, Wyndmoor, Montgomery Co., PA

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent. 60 Vesey St., N. Y.

FORGET-ME-NOT, winter flowering, flats $1.50; 2¼-in. $2.00; 2½-in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100.
PARIS DAISY and DOUBLE ALYSSUM, R. C. $1.00; flats $1 50 per 100.
VARIEGATED VINCAS, flats, $1.50 RUDBECKIA 3-in., strong, $3.00 per 100. Add 10c per 100 to price of R. C., 15c to price of plants from flats if to be sent by mail. Cash with order, please.
CHAS. S. DUTTON, 85 W. 12th St., Holland, Mich.

MY SPECIALTY.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship, a splendid stock of plants in four separate colors, from 2-inch pots, $1.00 per 100; $35.00 per 1000. From 2½-inch pots, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

PANSIES ..THE.. JENNINGS STRAIN

FINE, STOCKY PLANTS from cold frames, in bud and bloom, $1.50 per hundred; $13.00 per thousand

SMALL PLANTS by mail 60 cts. per hundred. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

GROWER OF THE FINEST PANSIES.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. WAVERLEY, MASS.

Please mention the American Florist when writing.

Fine, Stocky Plants.

	Per 100
Alternanthera, yellow, $1.75, red	$2.00
Oxalis Floribunda, fine for vases	2.00
Ageratum, 3 var.	2.00
Double Petunia, 3-in. pots	3.75
Coleus, 2 and 2½-in. pots, good asst	2.00
GERANIUMS 2½-in. pots, my selection	3.00
" 3 " " "	4.00
Centaurea Gymnocarpa, 2-in. pots	2.00
Verbenas, 2 and 2½-in. pots, good asst	2.00
Vinca Vines, 2 var., fine for vases	3.00
Carnations, 5 var., 2-in. pots	3.00
Asparagus Sprengeri, May 1st	4.00
Smilax, May 1st, 2-in. pot	1000, $8.00 1.00
Pansy Plants from cold frames	2.00
Heliotrope, white and purple	2.50

—CASH PLEASE—

JOS. H. CUNNINGHAM

DELAWARE, O.

Please mention the American Florist when writing

ARAUCARIA EXCELSA,

2¼ inch pots, 2 to 3 tiers.....$16.00 per 100
3 " " 6 to 8 in., 3 tiers, $20.00 per 100

GREVILLEA ROBUSTA, 2-in. pots, 6 in. high $3.00 per 100.

ARECA LAPIDA, 2-in. pots....$4.00 per 100

F. LUDEMANN,
Pacific Nursery, San Francisco, Cal.

VIOLETS Now is the time to order Rooted Cuttings, A1 stock, free from disease; Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales.

Chrysanthemums Rooted Cuttings of Ivory, Maj. Bonnaffon, Bergmann, Robinson, Etc., at a bargain for 10 days only; $2 per 100, $15 per 1000. Write for catalogue.

CRABB & HUNTER, Grand Rapids, Mich.

NEW GERANIUM **DEWEY**

A GRAND NOVELTY.

Color bright crimson; dwarf, compact grower, profuse bloomer, good foliage, very attractive.

4-inch pots	35c each,	$3.50 per doz.	
3 " "	25c "	2.50 "	
2½ " "	15c "	1.50 "	

CARL RAUTH, Springfield, Ill.

Please mention the American Florist when writing.

PANSIES WORTH RAISING

GOOD PLANTS by express $2.50 per 500; $4.00 per 1000. SEED as usual.

C. SOLTAU & CO.,

99 Grant Ave., JERSEY CITY, N. J.

COLEUS

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots $1.25 100.
AGERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾-in. pots $1.50 per 100.
GIANT ALYSSUM, $1 00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100.
HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot $1 50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS $1.50 per 100, 2¼-in pots, $2 50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.
VINCAS, $1.25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M Fine plants.
The above are rooted cuttings, except when noted.
CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN. Schenectady, N. Y.

Aster Plants.

OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

Please mention the American Florist when writing.

200 IVY GERANIUMS

2½-3-inch pots, nearly all double, $3.00 per 100, or will exchange for good young Roses, white and pink La France, Maman Cochet, etc. Heliotropes, Rose Geraniums, 2½-in. pots, $2.00 per 100. Fuchsias, single and double, 2½ in., $2.00 per 100. A few thousand Alternantheras, well-rooted Cuttings, $4.00 per 1000: P. M. Rosea and yellow.

C. G. NANZ, Owensboro, Ky.

Please mention the American Florist when writing.

COLEUS. Golden Verschaffeltii, Scarlet Verschaffeltii, Golden Crown, 26 other varieties R. C., 70c per 100, $5.50 per 1000 Chrysanthemums, 35 or more varieties, $1 25 per 100, $10 per 1000 Verbenas, 60c per 100, $5 00 per 1000 Ageratums, White, Blue and Pauline, 70c per 100 Heliotrope, 15 named sorts, $1 per 100. Petunias, 30 vars., double, $1 25 per 100, $10 per 1000. Lantanas, $1 25 per 100. Alyssum double, $1 per 100. Salvias, $1 per 100 Begonias from 2¼-in. pots, named, $2 50 per 100 Express prepaid on Rooted Cuttings. Send in your orders now

S. D. BRANT, Clay Center, Kas.

COLEUS.

Crimson Verschaffeltii, Golden Bedder and Golden Queen, 75c per 100 $6.00 per 1000 Coleus in variety, 60c per 100; $5 00 per 1000 Special price on large orders.

Ageratum, blue and white	$ 60	per 100
Ageratum Princess Pauline	.75	"
Giant Sweet Alyssum	.60	"
Heliotropes, 12 varieties	1.00	"
Heliotropes, 2 inch pots	2.00	"
Salvias Splendens and Bedman	1.00	"

Rooted cuttings except where noted. Plants by the 100 by mail prepaid Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.

NEW MARGUERITE A Great Novelty for 1900.

A cross between the yellow and white, is a constant bloomer, flowers four to five inches in diameter; fine for cut flowers, will keep for two weeks after being cut. Center half yellow, outer half pure white. Makes a fine pot plant. Will send free by mail 12 plants for $1.25; 6 plants 75c. Order now if you want it.

S. LENTON, Long Beach, Cal.

5000 Ampelopsis Veitchii. Dormant, pot grown, long tops, 1 year old, $3 00 per 100; 2 year, $6 00 per 100. **Prepaid at 25c per 100 extra.** Clematis Paniculata, strong field plants, $1 per doz., $7 per 100. Cannas, dormant roots, strong; Chas Henderson, Alphonse Bouvier, Florence Vaughan, Queen Charlotte, $3 00 per 100. **Alsace, White Canna, 5c.** Vinca Variegata, 2¼ in., $3 per 100. Asparagus Sprengerii, 3½-in., fine, 8c CASH please.

BENJ. CONNELL, Florist, WEST GROVE, PA.

BEGONIA INCARNATA An improved form of this valuable flowering plant for Christmas.
Plants in 2-in. pots..$8 00 per 100

EDWIN LONSDALE, P. O. Address for the time being:

WYNDMOOR, Montgomery Co., PA.

Money Order office same as heretofore, Chestnut Hill (Sta. H.) Phila., Pa

MAMMOTH VERBENAS, rooted cuttings, large stocky plants coming in bud, just right for spring trade plenty of bright red and pink if wanted 50c per 100 $4 00 per 1 000 Potted plants in large bud, 2-in., $1 00 per 100 Write for sample and prices on larger quantities. Satisfaction guaranteed.
Samuel Whitton, 15-17 Gray Ave., Utica, N. Y.

NEW GERANIUMS

It is a good time to brighten up your collection by adding to it some of the recent introductions.

A set of six splendid New Double for $1.25
A set of six New Bruant for $1.25.
A set of four New Singles for 75c.

Geraniums, splendid assortment of best bedding varieties, $3.00 per 100, $25.00 per 1000.

	Per 100
Acalypha Macafeeana	$ 5.00
Allamanda Williamsi	8 00
Begonia Rex	5.00
Begonia Manicata Aurea	5.00
Cobœa Scandens	4.00
Coleus in variety	2.50
Cannas, all leading varieties, strong started plants	4.00
Hibiscus Sinensis, 5 varieties	3.00
" " Peachblow	10.00
Hollyhocks, 4 separate colors	5.00
Lantanas, good assortment	3.00
Moon Vines, white and blue	Per 100 $3 00
Pinks, hardy garden	" 3.00
Salvia Splendens	" 2.50

ROSES

Liberty, the new crimson scarlet forcing Rose, strong 3 in. pots, $25.00 per 100.
Everblooming Roses—Large stock C. Soupert, Mosella, Champion of the World, Etoile de Lyon, Hermosa and 50 other best bedding varieties, $3.00 per 100, $25.00 per 1000.

	Per 100
Crimson Rambler	$ 3.00
M. Niel	2.50

Strong 2 yr. old Field Grown Roses.

Hybrid Perpetuals in variety	$10.00
Hardy Climbers in variety	8.00
Crimson Rambler, very strong	15.00
Wichuraiana	6.00
Wichuraiana Hybrids	8.00

Rhododendrons, extra fine stock well set with buds, 15 to 18-in., $7 00; 18 to 24-in., $9.00; and 24 to 30-in., $12 per dozen
Azalea Mollis, strong bushy plants, $35 per 100.

The Storrs & Harrison Co., Painesville, ...Ohio.

CANNAS.

STARTED PLANTS.	Per 100
ALEMANNIA	$10.00
A. BOUVIER	6 00
AUSTRIA	6 00
BURBANK	6 00
CHAS HENDERSON	6.00
DWARF FLORENCE VAUGHAN	10.00
FLORENCE VAUGHAN	6.00
MLLE. BERAT	8.00
MME. CROZY	5 00
PARTHENOPE	8 00
SEC'Y CHABANNE	8.00

DORMANT ROOTS.	Per 100
MLLE. BERAT	$4.00
SEC'Y CHABANNE	4.00
BURBANK	3 00
AUSTRIA	2 00
MIXED BULBS	2.00

For other kinds started plants, both novelties and standards, write for prices.

14 BARCLAY STREET NEW YORK. **VAUGHANS' SEED STORE,** 84 & 86 RANDOLPH STREET. CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $46 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

BEGONIA CALEDONIA

The White Lorraine

We are now booking orders for fall delivery.

Plants from 3½-in. pots,

$5.00 EACH.

R. & J FARQUHAR & Co.
16 and 19 S. Market St.
BOSTON, MASS.

COLEUS.

2¼-in. fine, strong plants, ready to out cuttings from; $1.50 per 100. Fine selected Rooted Cuttings, 80 cts. per 100. **C. WINTERICH, Defiance, O.**

DAHLIAS

Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well tested ones good enough? I have both My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Pæonies. Write for catalogue and price list. **W. W. WILMORE, Dahlia Specialist,**
Box 382. Denver, Colo.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.
TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.
PEPPER, small plants for transplanting, in several varieties: 25c per 100; $2.00 per 1000. Add 10c per 100 if by mail.
EGG PLANTS, New York Improved, for transplanting, 25c per 100; $2.00 per 1000.
CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.
Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md

Denver.

STORMS SADLY INTERFERE WITH EASTER BUSINESS.—SALES GOOD.—SOME STOCK SCARCE.—CLARK SUSTAINS A SEVERE LOSS.—NOTES.

The volume of Easter sales was about the same as in previous years, and prices were somewhat higher. Roses and white flowers were plentiful, but carnations, lilies and bulbous stock were scarce. Potted Easter lilies were not to be obtained in quantity here, and the larger retailers went to Omaha and Lincoln for their supplies.

Easter trade was not quite as good as it might have been. Rain, snow, sleet and mud ushered in and bid farewell to by far the stormiest Easter in the entire history of Denver. The precipitation breaks the record for April since the establishment of the United States Weather Bureau here in 1872, a total for the half month of 5.11 inches.

Wm Clark, of Colorado Springs, sustained quite a serious loss, the weight of the snow breaking through the glass in the houses and destroying his violets.

Mr. Hanselman, of the city park, is down with pneumonia.

The Gallup Floral Company reports the biggest Easter plant business for years.

The Park Floral Company made a splendid display of both cut flowers and plants, and report they had all they could do.

Violets were unusually fine for this time of year and sold well; the same may be said of the sweet peas.

The bowling club is talking of laying off until after the spring rush.

DENVER.

MIDDLETOWN, N. Y.—George S. Belding opened a down town store for Easter and did well.

OAKDALE, N. Y.—Seymour Burr was the victim of a runaway accident April 10, being thrown from his wagon and having two ribs broken.

KENNICOTT BROS. CO.

CALL ON US IF YOU HAVE ANYTHING TO SELL.

Money on Demand. We pay all shippers every Monday. Don't let anyone owe you. Ship to us and get the market price and the cash each week.

42 and 44 E. Randolph St., CHICAGO, ILL.

Wholesale Commission Florists.

Gold Standard Value

Represents quality of stock listed below:

25,000 2½-inch ROSES—Brides, Meteors, Maids Perles and Woottons, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first-class.

25,000 CARNATIONS—Rooted cuttings, selected cuttings only, well-rooted, 25 choicest up to-date varieties, standards, $7 50 per 1000. Be sure and see our list before buying.

VERBENAS, 20th Century Collection—Rooted cuttings all sold. 2-inch ready May 1st, $2.00 per 100.

FUCHSIAS—10,000 strong rooted cuttings, 10 choicest varieties, $1.00 per 100 while they last, strong 2½-inch in 4 varieties, 3c.; 2-inch 2c.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. $1.00 per 100; $8.00 per 1000.

Geraniums, sweet-scented, strong 2¼-inch 2¼ cents; strong 2-inch, 2 cents. Mme. Salleroi, strong 2-in., at $2.00 per 100.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2¼-inch, full of Cuttings, $2.50 per 100.

Smilax, strong, 2-inch, $1.00 per 100; $8.00 per 1000. Strong seedlings, 50c per 100. $4.00 per 1000 by mail. Double extra strong, 2-inch, $1.25 per 100, $10.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, strong rooted cuttings, $1.00 per 100.

Vincas, Major and Variegata, strong 2¼-in., 3c; strong 2-in., 2½c.

Marguerites, New Giant White, a grand sort, and New Golden, strong 2½-in., 2¼c; strong rooted cuttings, $1.00 per 100

20,000 Pansies, from seed worth $10.00 per oz., big plants from cold frames, in bud and bloom, $1.50 per 100.

Our wholesale descriptive list of Specialties mailed on application. Terms, strictly cash with order. Small packages by mail.

SOUTH SIDE FLORAL CO., Springfield, Ill.

VERBENA KING.

Verbenas, rooted cuttings, 60c per 100, $5 per 1000, $22 per 5000.

2-in. Verbenas, fine plants, $2.00 per 100, $18 00 per 1000.

AGERATUM, Lady Isabell and Cope's Pet, 60c per 100, $5 00 per 1000.

60,000 CARNATIONS, special low prices to move them quick.

	Per 100	Per 1000
Flora Hill	$1.25	$10.00
Morello	1 25	10.00
Mayor Pingree	1.25	10.00
Daybreak	1 25	10.00
Wm. Scott	1.00	7.00
L. McGowan	1.00	7.00

30,000 VIOLETS, runners, California; $1.00 per 100, $8.00 per 1000. **20,000 SMILAX,** fine 2-inch plants; $1.25 per 100, $10 00 per 1000.

DAISIES, California and Yellow Castle, $1.00 per 100, $9.00 per 1000; 2-in., $2.00 per 100, $18.00 per 1000.

HELIOTROPE, 10 best var., $1.00 per 100, $8.00 per 1000; 2-in. fine plants, $2.00 per 100, $18.00 per 1000.

Express paid on all Rooted Cuttings, and satisfaction guaranteed for that Cash please.

C. HUMFELD, Clay Center, Kas.

Please mention the American Florist when writing.

FINE 2-INCH STOCK.

	Per 100	Per 1000
Alternanthera, 3 varieties	$1 50	$14.00
Lobelia, trailing blue	1.50	
Fuchsias, mixed	1.50	
Vinca variegata	1.50	
Ageratum, blue	1 25	
Begonia Metallica	2.25	
Coleus, Golden Bedder, Verschaffeltii	1.50	15.00
Mixed Coleus	1.35	12.50

ROOTED CUTTINGS.

Golden Bedder and Verschaffeltii Coleus, 60 cts.; per 100; $5.50 per 1000.
Fisher Carnations, 75 cts. per 100.

R. I. HART, Hackettstown, N. J.

POT PLANTS

Strong Stock at.... Low Prices

		Per 100
500 De Roo Mitting Geranium (new)	2¼ in.	$ 5.00
1,000 Obconica in bloom	2½ "	2.50
1,000 " " " fine	5 "	8.00
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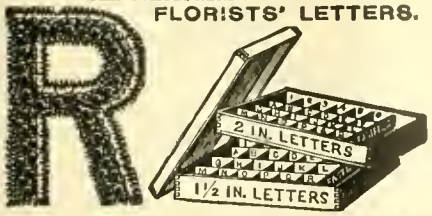

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In cut flowers roses were of very good quality and supply equal to the demand. Carnations of good quality were short. Violets were plentiful and found ready sale. H. J.

POUGHKEEPSIE, N. Y.—The greenhouses of Murphy & Schaumburgh were destroyed by fire on the afternoon of Sunday, April 8.

ALBANY, N. Y.—The Davidson greenhouse property was sold at auction April 5 to General Rathbone for $4,000, but it is understood that it will be turned over to H. G. Eyres.

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1500 2½ " "	6.00	48 9 " "		3.60
1000 3 " "	5.00	48 10 " "		4.80
800 3½ " "	5.80	24 11 " "		3.60
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320 5 " "	4.51	12 14 " "		4.80
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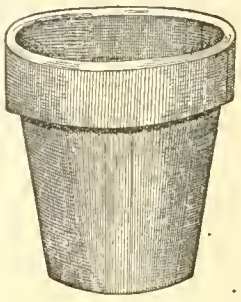

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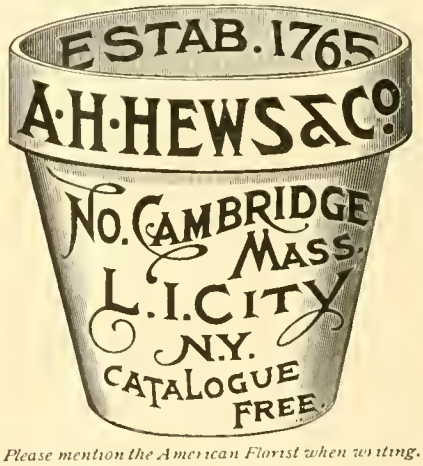

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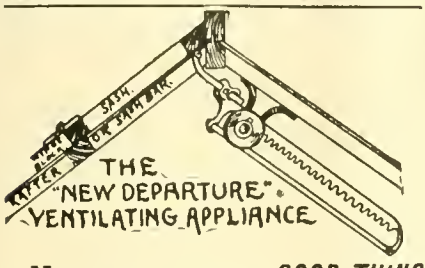

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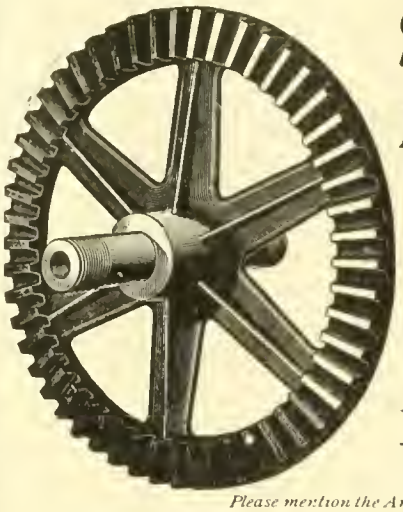

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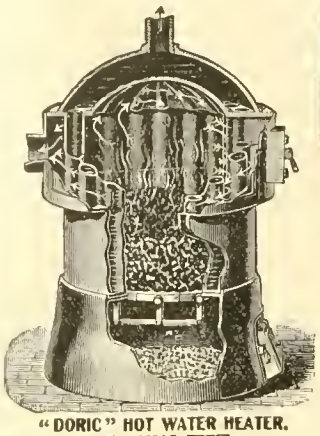

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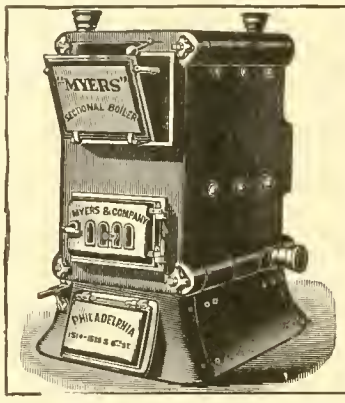

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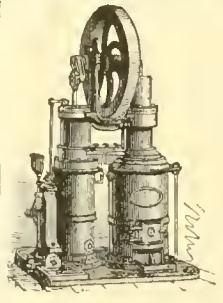

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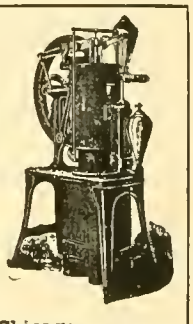

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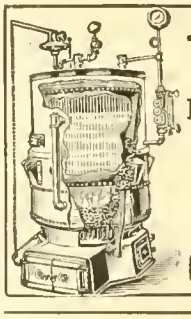

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CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Notes on Aquatics.

The tardiness of the season will in many ways facilitate general operations on the ground and afford more time to be spent in cleaning up, making roads, walks, draining and preparing for planting. All repairs necessary to banks of ponds, streams and margins should be pushed to completion at an early date and every thing put in readiness for planting. Artificial ponds will demand our first attention in this respect.

The shrubbery, where there is such, should be looked over and if thinning or transplanting is necessary such work should be done without delay. Pruning of a few shrubs, such as Hydrangea paniculata and those which flower on the new season's growth should be attended to, but the bulk of flowering shrubs should be pruned in summer, after the flowering season; all that is necessary now is to cut out any misplaced branches, or where thinning is absolutely necessary. The shears should never be used on flowering shrubs, yet in almost every section are to be seen evidences of this barbaric practice of the man with the shears. Perennial plants should now be planted and others thinned out, where too thick.

Tubs and boxes used for growing nymphæas and other aquatic plants should be filled with new soil, though in some cases this may not be necessary, but unless the boxes are of extra size it is better to renew the soil. Presuming the boxes are about three feet square and one foot deep, in the case of hardy nymphæas it is best to thin out the plants to at least three good crowns and to partly renew the soil, but if the preceding season's growth was strong and vigorous I would renew all the soil and replant. In the case of a tender nymphæa, renew the soil and plant one single plant in such sized box. Although plants will grow in tubs and boxes of smaller dimensions and even in pots and pans and produce flowers, the results attained by higher grade methods will always compensate for any additional care or labor.

As to soil for growing nymphæas and other aquatics, good turfy loam, sod from a pasture, composted in the fall with one-third its bulk of cow manure, makes excellent material. No bone or artificial fertilizer is needed and if the soil is inclined to be stiff or of a clayey nature so much the better.

Hardy nymphæas may be planted in most sections now but it is best to wait until conditions are such as will excite growth at once; some varieties are very liable to rot if dug and transplanted before active growth takes place; better err on the other side, and wait for future results. There are some varieties that give the best results the first year, especially in artificial ponds, but the majority of them are better the second season.

In the case of nelumbiums in artificial ponds, these are best undisturbed unless they are overcrowded, which is sometimes the case. The divisions or sections where these are grown may receive a a top dressing of rich compost, first taking off three or four inches of the old soil. This should be done before the new growth appears. Where new plantings are to be made of nelumbiums it is very important not to be too rash and plant a few days too early. The advice given for planting nymphæas must be emphasized in this case. Regardless of the fact that every season many complaints are heard that nelumbiums are a failure, yet as soon as the season opens numerous orders are placed for these plants; the result must be failure and disappointment if planted in the open pond. Nelumbiums may be dug and shipped in April to southern districts or to be started indoors but if planted under ordinary conditions and the weather similar to what we have experienced so far this April it will be disastrous. To succeed in planting and establishing nelumbiums do not dig or plant before new leaves are produced and growth all around is active and nature fully alive. The indications are that it will be the end of the month before this is the case and in northern and western sections certainly not before the first week in May.

In natural ponds and lakes it will be well to look over the stock, for where established plants have wintered without the ravages of rats it may be necessary to thin them out. The results of overcrowding are sometimes very perceptible. I saw large ponds last season that were sadly crowded. The large, succulent leaves, standing out of the water, were all bronzed and disfigured by the ravages of red spider. Overcrowding not only results in attacks of insects, but the flowers are hid from view; they are also undersized, as is the case with other plants. In planting new ponds it is often the desire of the planter to have immediate effect, but if this is attained the first season, crowding is sure to result the following season. In large ponds leave ample space between the clumps, and plant from three to twenty plants in a clump, the plants three feet apart. In

small ponds and where it is desirable to have several varieties of different color it is best to plant but one of a kind.

WM. TRICKER.

Dahlia Notes.

When to plant dahlias is a debatable question. Planted from early spring until midsummer they will grow, flourish and blossom, so that much depends upon the object in view. Early planting will give early flowering, subject, of course, to the natural difference of varieties in earliness. With good treatment roots planted so that the plants will appear above the surface of the ground as soon as danger of frost is past will bloom soon after July 4. Perhaps more will depend upon the treatment than upon the extreme earliness of setting. If the sole object in view is garden display, a long flowering period is thereby secured and a mass of color can be depended on for the entire season.

If flowers for cutting purposes and perfection of individual bloom are required, other considerations become of great importance. One of these is that flowers which open in the height of summer very frequently show serious imperfections which render a considerable portion unfit for use for cutting. A second difficulty is that these early flowering plants at a later date produce blooms of a very inferior quality, even though the quantity may be liberal enough. If one needs early flowers for his work, he will find it desirable and necessary to make early planting, but wise precaution will suggest that room be left and preparations made to set other plants at a later date, which shall be at their best when flowers from the earlier settings have become poor and undesirable.

By making successive plantings a good amount of both quantity and quality can be depended on from the first commencement of bloom. With plants well cared for a term of three months is sufficient to produce a reasonable amount of bloom, so that plants set June 1 ought to flower liberally about September 1, and those set June 14 by the middle of September. Late plantings will show flowers in a shorter period than early ones. A term of six weeks will fully cover the length of time during which a combination of quantity and quality can be expected. The grower who allows for about that length of time previous to the average period of killing frosts will secure about as good general results as are obtainable. Where frosts do not occur before the middle of October, August blooming should be considered very early. If the middle of September brings danger, a good showing of flowers in early August is desirable. Of course if one has the opportunity to cover plants the season may be prolonged in either case. A term of six weeks of abundant bloom of high average quality ought to satisfy the most greedy.

A very general misconception exists as to the desirability of early planting. The writer has transplanted good-sized plants from sprouting beds into the open field as late as the first week of August and secured a fair amount of flowers and moderate sized roots before the tops were killed by frost, and is inclined to regard May 10 as an early date for places north of the latitude of Washington and May 20 to June 1 as a fair average time for setting in the open ground, green plants or roots which are well started into growth.

H. F. BURT.

Taunton, Mass.

Primula Sieboldii.

Very few hardy plants are so dainty and bright as the beautiful Japanese primroses, varieties of Primula Sieboldii (P. cortusoides amœna). They somewhat resemble the varieties of the tender Primula Sinensis, but are much more graceful in habit. They are well worth the attention of florists for outdoor decoration as well as for forcing. With a little care they will increase readily in an ordinary border. The plants should be given a partially shaded situation, where water can be readily applied during dry weather. In weeding care must be taken not to injure the crowns, which are usually found near the surface of the soil. A covering of leaves is necessary for protection in winter, but before this is applied the plants, owing to the proximity of their roots to the surface of

THE LATE JOHN BREITMEYER.

the ground, will be benefited by a dressing of soil half an inch in depth.

Although quite hardy and generally grown as border plants, these primulas force well and may be had in bloom quite early in February. Placed in a cool greenhouse when two or three of the flowers are fully developed, they retain their attractiveness from four to six weeks. The plants should be divided about the last week in August and the strongest crowns potted, one crown to a four-inch pot or a number of crowns in larger pots or pans. After potting plunge in a cold frame where they can be kept covered with shutters during hard frost. Six weeks before they are needed the plants may be placed in slight heat. When growth commences they can have a night temperature of from 45° to 50°. A position near the glass is necessary to insure short, stout stems, and up to the end of March they will stand plenty of sun if kept well watered. An application of weak liquid manure about twice a week, after the flower stems are well up, brightens the colors of the flowers and increases their size.

With the protection of shutters in winter, and the aid of sash as soon as growth commences, flowers can be had from the beginning to the end of May, and even earlier in sheltered, sunny situations. In the open border the time of flowering is from about the middle of May to the middle of June. The height of the flower stems is from six to nine inches. Any crowns not strong enough to pot for forcing can be planted out for growing on. It is safer to mix some sand with the soil and to plant about an inch deep, giving a little extra covering for the winter.

The varieties here described have proved to be good growers: Dentelle, bright rose exterior, white tinged rose interior, fringed edge; Giant, light rose purple, white center, very free; Lilacina, lilac, white center, fringed edge; Lilacina Perfecta, exterior lilac, interior white, veined lilac; Reggiana, light lavender exterior, white interior; Rosea Alba, rose exterior, white interior; Sirius, bright purple, white center; Tolla, lilac, white center, very free, one of the best; Werther, purple, white center, strong grower; Violacea, violet-purple, very free.

R. N.

Mass.

Pan-American Notes.

The long continued cold weather kept surface work on the grounds in abeyance till nearly the middle of April. The past week's warm weather has produced great activity, and R. Ulrich has now five or six hundred men busy in many parts of the grounds, besides many hundreds on contract work. In spite of the frost, hundreds of large trees have been planted this winter, including many Lombardy poplars, which will be in keeping with the architecture of some of the buildings.

Work on the lagoons and canals has progressed all winter, and is nearing completion. The contracts for several of the largest buildings have been assigned and the foundations are going in. The winter has been favorable for the poplars and willows planted last fall, and by the summer of 1901 the whole place will be encircled with a pleasing belt of trees and shrubs entirely hiding from view unsightly fences. The southern one hundred acres of the grounds is the beautiful lake region of Delaware Park. Few, if any, points in the public parks of this country surpass in true landscape beauty our "Gala Water," and its wooded banks and magnificent drives.

In this portion of the grounds, on a commanding site, will be situated the art gallery to be used during the exposition, a magnificent permanent building, the noble gift of our truly public spirited citizen, J. J. Albright. Mr. Albright's gift in round figures will reach half a million. On the north of the lake will be the New York State Building, which at the close of the exposition will be given for their perpetual use to the Buffalo Historical Society. The Pan-American, including as it does, some of the handsomest portions of the park, has necessitated some costly improvements, chief of which is a commodious and handsome bridge spanning the lake at its western end. It is thus early very evident that in the adornment and embellishment of the grounds and planting in harmony with the style of architecture, the bright tinting of the buildings, and gayness of the flower beds, that the Pan-American in horticultural taste and beauty will surpass any previous effort in this country.

The writer thinks he knows a good thing when he sees it, and of all good things connected with this great undertaking, there is nothing inspires confidence combined with encouragement more than the personality of the director general, Hon. William I. Buchanan. With marvelous executive ability and a world wide knowledge of men and affairs, his intimate knowledge of the South

PRIMULA SIEBOLDII IN THE BORDER.

American countries, his splendid diplomatic career, and his great record from the World's Fair, make him pre-eminently the man to carry the Pan-American to a glorious consumation.

WILLIAM SCOTT.

CHRYSANTHEMUMS.

GULF COAST NOTES.

In order to attain success with chrysanthemums in this part of the world it is very necessary to have some knowledge of varieties. It does not follow that the kinds most desirable farther north will amount to anything with us. For years I have kept up with the novelties of each season, and it is the isolated case when I meet one that will do well under our conditions. I find that those which develop the flower quickly after the bud shows color are apt to do best. Flowers of the old Golden Gate type are the ideals for us.

As to the manner of cultivation, we can learn little from the experience and teaching of our northern friends. We have our long, hot summer and periodical deluge of rain to contend with at one and the same time. So I find it simply out of the question to keep plants under glass all summer without cooking them, and at the same time, as impossible to have perfect flowers in the fall without glass protection. I have never found artificial heat necessary, even as late as Christmas. A house with glass sides that can be kept open, except in windy weather, and on an occasional severe night, will suffice. My house is simply a frame with heavy sash bars and sufficient pitch to guard against drip or leaks, without the use of putty. The glass is laid on, concave side up, with a short lap and held in position by a small brad. The planting is done in solid beds raised a foot above the ground. Eight inches of the space is filled in with coal cinders, with four inches of old rose sod tramped firmly down on top of this. The drainage must be perfect and quick, or the rains of August will simply strangle the plants. Six or eight inches of rain in a week is most too much of a good thing.

The glass is put on about September first, and taken off in February, when I am ready for the old stools to make stock. It would be a sight for some of my northern friends to gaze upon my stock. The suckers come right out of the ground in size and vigor about like asparagus. I use cuttings in preference to suckers in order to avoid the short joints, and plant no varieties earlier than June 15. Early planting is the cause of most failures with us. Dailledouze planted June 15 last season grew to nine feet by flowering time. One of my guests asked for a ladder to go up and have a look at the flower. I have some difficulty in rooting my cuttings so late, as my plants are taken from the cutting bench to the beds, without potting, but by careful watching, shading and spraying the glass on the outside, to keep down temperature on all sunny days, I manage to strike a fair percentage. They require little attention other than careful watching and tieing up until they show bud.

The enemies we have to contend with are so entirely different from those farther north that they may be of interest, and I propose at some later date to give the readers of the AMERICAN FLORIST an introduction to them. F. P. D.

CHRYSANTHEMUM CUTTINGS.

ED. AM. FLORIST:—What is the best treatment for chrysanthemum plants when they have ceased flowering, both in pots and in solid beds, to make them produce plenty of cuttings? I have tried many ways but have been unsuccessful and must buy new plants every year.

H. J. H.

It is hard to believe that chrysanthemums could be treated so badly as not to produce cuttings. There are some, but not many, shy varieties. They will "go off" if kept in warm houses under the benches. It is presumed that the space will be wanted as soon as benched plants are past blooming and they should be lifted carefully and kept in good light in a cool house such as would suit violets. I keep my stock plants of all kinds in a well-protected frame. They get a touch of frost occasionally but still grow, producing cuttings all winter and an abundance now. Some planted out in a cold frame, froze up and all green parts were killed level with the ground. The frost has been out only a few days, as they were kept covered, when frozen, for the most of the winter. Now they are making an abundance of strong cuttings and as we do not take cuttings until May, they will be early enough.

T. D. HATFIELD.

ROSES.

TRANSPLANTING ROSES.

ED. AM. FLORIST:—I have a large quantity of rose cuttings in sand in the open ground and wish to know the best stage at which to replant, whether in the callused state or when rooted? J. H. T.

Alabama.

The stock should certainly be left in the cutting stage until it has made roots at least one-half inch to one inch long, then choose a cloudy, moist day, lift the plants

very carefully so as not to break any of the young roots, and plant again as quickly as possible in soil well pulverized; water thoroughly as soon as planted and, should the sun come out very hot, a light shading with evergreen branches or similar material will greatly help them to get a fresh start. JOHN N. MAY.

BLOOMS WITH GREEN CENTERS.

ED. AM. FLORIST:—Please tell me the cause of our Brides and Bridesmaids coming with green centers. The leaves of the plants are very yellow. We have kept them rather on the dry side, as the temperature was very irregular, sometimes going as low as 43°. What is the best temperature for these varieties in order to have continuous success with them? J. C.

Green centers in Bride and Bridesmaid roses are often caused by disbudding too early, though in the present case I should hardly think this could be the cause as the yellow leaves would not indicate a vigorous growth and I should be inclined to attribute the trouble to the irregular temperatures. To secure the best class of flowers and a uniform production of them, an average night temperature between 54° and 56° should be maintained with plenty of air on all favorable days; water carefully as required and keep the house and plants clean. JOHN N. MAY.

BLIND WOOD IN BRIDE AND BRIDESMAID.

ED. AM. FLORIST:—I have a house of Bride and Bridesmaid roses, in perfect health, that during the entire winter have shown a decided tendency to throw out blind wood, some of the bushes not making a flower for a whole month. I have tried pruning in different ways, taking all the blind wood from a plant and nothing from the plant next to it, and cannot see that either course has done any good. Can you suggest a cause and remedy? F.

Replying to "F.", also "G. R.", I would state that these varieties always produce a considerable number of blind shoots under the very best management, but if the plants are healthy they should at the same time produce plenty of shoots with buds; if they fail to do this it is plain evidence that something is wrong. In the cases under consideration it is probable that the plants do not have sufficient stimulant at the roots to induce them to throw flowering shoots, or else the general treatment is not quite right. Too much moisture at the roots in cloudy weather will sometimes prevent the buds maturing; in that case if the ends of the strongest shoots are carefully examined when quite young, the small bud will be found turned a dark brown, and as soon as the leaves unfold this small bud will fall out, leaving a blind shoot. A sudden chill from the regular temperature carried will also have the same effect on the buds when setting. All this time the foliage and plants generally will appear quite healthy.

Regarding pruning of these and other roses during their growing season, which means from the time they are planted till the following summer, every healthy leaf they produce should be left on the plant, except what is absolutely necessary to cut with the flowers or for propagating purposes. The leaves of a plant are essentially its lungs and healthy leaves cut from a plant deprive it of breathing organs to that extent, hence the more healthy leaves there are the better the plant will thrive. At this season of the year roses that are growing vigorously should have liberal applications of liquid fertilizer, but care must be exercised in making the same not to have it too strong or the result will be the reverse of beneficial. Some of the chemical fertilizers are also useful with careful judgment as to their application. In making liquid fertilizer one peck of fresh horse manure to fifty gallons of water is ample; if made of the offal of the sheep pen or chicken guano two quarts to fifty gallons will be strong enough for ordinary applications. These can be used every ten to fourteen days. Of chemical fertilizers there are so many on the market that to enumerate them would be superfluous here, only be careful with them till you know their strength. JOHN N. MAY.

PRIMULA SIEBOLDII AS A POT PLANT.

Belated Easter Trade Reports.

FREMONT, NEB.—C. H. Green says that all kinds of material sold well at Easter, the total being forty per cent ahead of last year.

SALT LAKE CITY, UTAH.—R. E. Evans says there was stock enough and sales about equal to last year; prices were a little better. Lilies had the call.

VANCOUVER, B. C.—James Pont says sales were one-fourth ahead of last year and at the same prices. There were lilies enough but other stock was scarce.

AUGUSTA, GA.—H. W. T. Balk reports trade ten per cent ahead of last year with a shortage of material, particularly lilies. Spiræas, hydrangeas, callas and azaleas also sold well.

OAKLAND, CAL.—H. M. Sanborn says Easter trade showed a forty per cent increase. There was enough of everything except lilies, of which extra fine plants, four feet high, with from four to seven flowers and several buds, in 7-inch pots, brought 75 cents each. Callas brought $1 per hundred wholesale and $2 retail.

PORTLAND, ORE.—George Otten says that Easter sales were no larger than last year, the reason being that outdoor flowers were too abundant, the season being six weeks advanced.

NEW ORLEANS, LA.—U. J. Virgin says Easter was about as usual, with stock enough and no advance in prices. Harrisii were most in demand and Mr. Virgin drew on Chicago for 700 cut blooms.

CHATHAM, ONT.—Fannie Tissiman reports this the best Easter on record, with plenty of plants but a scarcity of roses. The plants which were wanted were azaleas, cyclamens and bulbous stock.

BIRMINGHAM, ALA.—H. A. Lindsay says business was double that of last Easter with a great sale for all cut flowers except bulbous material and practically enough stock, other than roses, to go around.

BURLINGTON, VT.—C. E. Cove says trade showed a twenty per cent increase with prices a little better than a year ago. There were enough plants but cut flowers were scarce, lilies being the favorite in each line.

HAMILTON, ONT.—E. G. Brown says that sales were fifty per cent ahead of last year but that they were only half what they might have been had the right kind of material been available. The demand was for lilies in pots, and for roses, carnations and violets as cut flowers.

LOS ANGELES, CAL.—F. Edward Gray reports a forty per cent increase in sales with prices a little stiffer than a year ago. There was just stock enough to make a good clean up. Lilies in pots, cut Harrisii and sweet peas were most in demand. Capt. Gray says that it is more than ever evident that flower buyers know a good thing when they see it and that good material can be sold at a fair price without effort.

New York.

MARKET UNDERGOES A RADICAL CHANGE.—PRICES ARE EVEN LOWER THAN AVERAGE QUALITIES —VIOLETS DOING REMARKABLY WELL.—PLANT GROWERS LEARN BY EXPERIENCE. — SMALL FLOWERING PLANTS MOST SALABLE.—VARIOUS ITEMS HERE AND THERE.

Conditions in the wholesale cut flower trade have changed greatly within the space of a week, the demand being discouragingly slow and the receipts enormous. The effect has been the breaking down all at once of values on roses to the lowest level. From $5 to $7.50 per thousand is the prevailing selling price for large quantities of unselected stock in Brides and Bridesmaids and anything over $15 per hundred for the finest Beauties is rarely obtainable. The quality of the roses coming in has deteriorated as the quantity has increased. Beginning with the day following Easter the unfavorable change was noticeable and the average of receipts has been growing worse from day to day, many of the Bridesmaids presenting that faded, parboiled aspect which is apt to follow very hot and humid weather, although no very high temperatures have yet been experienced. The invoices figure up big as to the cut but it does not look as though the aggregate figures in the money columns when returns are made for last week and this week will convey to any rose grower the impression that he is growing rapidly wealthy. Carnations have also taken a drop in quality

as well as in price. Violets are holding out remarkably as to quantity and quality for so late a date and indications are that most of the violet growers will have both the money and the disposition to put up another house or two the coming summer.

The plant growers have been studying the Easter results with careful scrutiny and the concensus of opinion seems to be that it will be good policy to go light on very large plants for next Easter and to devote more space to quantities of smaller and less expensive stock. There appears to have been altogether more large azaleas and Crimson Ramblers left over this year than was generally supposed, although the demand for small sizes in both these lines was far from being supplied. Large palms appear to be scarce generally this season. The demand for bay trees is heavier than ever before experienced.

Julius Roehrs has just received another consignment of bay trees, some giants among them, and a further shipment is on the water. Mr. Roehrs has a house of calceolarias in bloom worth going to see. The variety of colors shown is remarkable. Cattleya Gaskelliana and C. Mossiæ are full of bud and opening rapidly and there will be some handsome Lælia purpurata soon. This is the largest commercial orchid collection in the country, some fifteen houses being devoted exclusively to them for cut flower purposes.

Bobbink & Atkins are rapidly getting their new nursery grounds at Rutherford into shape. This comprises twenty acres of land and is being stocked with trees, shrubs and herbaceous plants in large variety. Many frames are filled with young herbaceous stock and in the greenhouses are fine blocks of grafted tea rose stock. The call for Holland and Belgium material has been good and the store houses are already well emptied.

On Saturday, April 21, about thirty gentlemen met in response to a request, at the Museum building at the New York Botanic Garden for the purpose of organizing a society of horticulture. James Wood, president of the Eastern New York Horticultural Society, presided and Leonard Barron served as secretary. A committee of twenty-five was appointed to frame a constitution and nominate officers and the next meeting will be at Berkeley Lyceum on May 9.

When the good steamer St. Paul left her dock on Wednesday she carried among her passengers Mr. Harry Bayersdorfer, of Philadelphia. Harry will search the continent of Europe for novelties to delight the eye and unloose the purse strings of his American florist friends during the coming season.

"Jimmie," the colored janitor of the Thirty-fourth street market, well known to the frequenters of this place for many years, died suddenly on the morning of Wednesday, April 25.

August Rolker & Sons have moved from the first to the second and third floor of 52 Dey street.

Sander & Co. had a big spring sale at Cleary's auction rooms last week.

Visitors: J. W. E. Ebbinge, Boskoop, Holland; Wm. Mathews, Utica, N. Y.; Robt. Craig and H. G. Faust, Philadelphia; W. H. Long and Arthur Newman, Boston.

BALTIMORE, MD.—G. C. Personette has sued the trustees of St. Peter's Evangelical church to recover $300, the value of plants rented for decorative purposes and allowed to freeze in the church.

STORE OF WM. JAY & SON, TORONTO, ONT., AT EASTER.

Boston.

A PERIOD OF TRANSITION IN GREENHOUSES.—SPRING STOCK MOVES INTO THE VACANT PLACES—GREAT RUSH OF ORDERS FOR ENGAGEMENT GIFTS.—HYMEN'S HAPPY HOUR HERE.—PRICES GOOD BUT BELOW EASTER LEVEL.—MEMORIAL DAY NEXT IN MIND.—VARIOUS ITEMS.

Since Easter a transformation has taken place in the plant houses. Spring bedding plants have taken possession of many of the benches recently occupied by lilies and azaleas; astilbes in training for Memorial day have taken up their position where the Crimson Ramblers blossomed, and over-crowded Boston ferns, palms and rubbers have been hauled out from the out-of-the-way corners, where they have been suffocating for the past three months, and given a chance at free light and air once more. In the city retail stores, however, little time or opportunity has yet been given for overhauling or rearranging. Promptly with the opening hours of the Monday after Easter came the orders for engagement gifts in rapid succession and in such abundance as to astonish the natives. Never before has this feature of the florists' trade shown so much vigor and it looks as though engagements and weddings were to be a leading fad in Boston this season. The few Ramblers, azaleas, hydrangeas and lilies that survived the Easter rush did not have to wait long before being given an opportunity to go to work and, instead of being a misfortune to those who had them left on hand, they came in as a very timely blessing. The same may be said regarding the flowers left over, which, if of presentable quality, found a good use on Monday, but, of course, at prices reduced considerably from the Easter level. The same conditions have prevailed, in the main, all through the week, giving a very hopeful complexion to the market and a pleasant assurance of a busy and profitable spring season.

Decoration day is the next great objective point. This is always, in this section, a big event for the florist, scarcely second in importance and profit to Christmas or Easter, and far outranking any other annual event. Astilbe, stocks, white carnations and bulbous flowers, all of which are hard sellers at Easter, stand at the top of the list on May 30 and lilies are good for as big a price as Easter affords. The meantime will be filled in with spring trade in its many features and an idle florist or gardener in the vicinity of Boston before June 1 will be a hard person to find. If found, it will be his own fault, alone. After that date there may be time to go a-fishing.

On Saturday, April 21, E. O. Orpet exhibited at Horticultural Hall his seedling Cattleya Thaveriana, in bloom, for the prospective prize of the Massachusetts Horticultural Society. J. E. Rothwell showed a plant of Lælia Joungeana bearing three fine flowers and received a silver medal therefor.

Visitors this week: Wm. Hagemann, of Hagemann & Meyer; J. E. Killen; Jas. McHutchison, representing A. Rhotert, New York.

Philadelphia.

MORE SPECULATION AS TO THE TOTAL OF EASTER SALES.—GUESSES VARY TWENTY TIMES.—GROWERS BUSY WITH SPRING STOCK.—LITTLE TIME AFFORDED AFTER A LATE EASTER.—RETAIL TRADE GOOD BUT SUPPLY AHEAD OF DEMAND.—COMPETITION FOR MICHELL PRIZES.—ROBERT CRAIG TO ADDRESS THE CLUB.

Your scribe has recovered; 'twasn't quite so bad with him as Brother Watson put it; simply a tussle with a good, big Easter trade. This Easter tussle seems about the same with grower and dealer alike. The immense amount of work that is crowded into a few days' business tries the most perfect system to the utmost. This is particularly true of the store trade, which is crowded into forty-eight hours or at best seventy-two. The grower's anxiety begins when his stock gets well under way and from that time until it is finally delivered and he views the beautiful empty benches, he is kept in a continual ferment and adds more or less to his stock of gray hair, according to his temperament. Brother

Watson's "guess" as to the amount of business is high; an estimate made with one of the large growers puts the wholesale trade in plants at less than $60,000. This was arrived at by giving every grower of Easter plants a most liberal estimate as to the amount of his business. The cut flower figures would not amount to more than one-fifth this sum. By doubling this total amount, which is probably more than the actual volume, the total retail sales would not amount to more than $150,000. If any one has a better way of arriving at an estimate we should like to hear of the plan. The newspapers declared that from $1,000,000 to $1,500,000 was the amount, and gave the growers immense profits; in fact, one firm was said to have made $100,000 as the result of the week's work.

Easter coming so late did not give the growers the advantage an earlier date does to work up their spring stock, but a visit to some of the large growers shows their houses already full, or nearly so, of salable spring plants, or of palms and other material coming on for the summer's growth. Robert Craig has two large houses of crotons where lilies and hydrangeas held sway and three other empty houses were being filled with a large importation just arriving from Europe, consisting of palms, araucarias, dracænas, etc. We must not forget noticing among them a lot of small rubbers. It seems with all the ficuses propagated here there is not enough as yet to supply the demand. When will our growers catch up? America must be a most profitable field for foreign growers, as a small army of hustlers are now about, prospecting, and say they are well satisfied with what orders they have picked up.

Trade since Easter has been very good. There have been many spring weddings and other gala occasions that have used up quantities of flowers. Prices are softening, however, as the bright weather is bringing the stock along even a little ahead of the demand. Long Beauties are now not one dozen, but two, for $5, and lucky is the man known to have a large order, as prices most enticing and away below the market are confidentially laid before him. Very fair pinks are now to be had for $1 50 per hundred, with the extras at $2 and the fancies $3 to $4. Violets, sweet violets, are about done; just a few small doubles left and a couple of hot days will shelve them for the season. Lily of the valley keeps the boys guessing these days. The ice house stock, or rather only the all-the-year-around growers, are now to be depended on and they have to adjust their stocks every season for a week or two about this time, before they can strike the proper quantity for the demand.

At the April meeting of the Pennsylvania Horticultural Society there were some pretty shrubby calceolarias, some choice pansies, a few seedling amaryllises, the latter from John Thatcher, and some mushrooms. The calceolarias, pansies and mushrooms competed for prizes offered by H. F. Michell. The Queen of Edgely, the Floral Exchange's new pink Beauty, was also exhibited and received the society's silver medal. Large orders have already been received for this new favorite and its prospects are very rosy indeed.

Robert Craig is to read a paper on "The Lessons of the Past Easter" at the next meeting of the club, which will be held Tuesday, May 1. It should prove very entertaining as every recurring season teaches something new. Mr. Craig is also a past master in this particular branch of the business, while his diction is without fault and his conclusions those of a mind ripe with years of experience.

Harry Bayersdorfer has started on his annual European trip for novelties, sailing from New York on Wednesday. He intends spending some time at the Paris exposition. K.

Chicago.

SERIOUS OVER PRODUCTION OF LOW GRADE MATERIAL. — FIRST CLASS SHIPPING STOCK STILL NO MORE THAN THE DEMAND.—PRICES RANGE FROM FAIR TO RIDICULOUS.—DETAILS OF THE FUCHS TRANSFER.—FERNS IN VERITABLE COLD STORAGE. — AMERICAN HYACINTHS IN BLOOM. — CUT FLOWERS LOST GOING SOUTH.—COAL PRICES ARE UP.—VARIOUS ITEMS.

At last it is here; the glut is on. Not since the opening of the season last fall has the market been in such a state of over-supply as has prevailed this week, and yet, true to the precedent of this most peculiar year, stock of the shipping grade is still scarce enough to command fair figures. Not in months have there been so many poor roses in the market and the carnation crop seems at its height, with the result that all except the first-class stock finds a very slow sale and at prices which look ridiculous in the light of the rates which have prevailed for months. One of the leading commission men states that in his opinion the tea roses coming to this market this week will not average better than $1.50 per hundred. Carnations will do almost that well for, while pot after pot is sold for 75 cents a hundred, the fancies are still bringing 3 cents and 4 cents. There are now quantities of what the rose and carnation growers call "garden truck" and it sells as well as anything else. The daffodils have seen their finish, the tulips are almost gone and good lily of the valley is not plentiful, but there are so many callas and belated Harrisii that the early weddings are being cheaply supplied. Despite the unfavorable condition few complaints are heard, most of the growers and commission men expressing satisfaction that the season of prosperity and high prices has been so prolonged, rather than regret that it did not continue until Memorial day and school closing.

Apropos of the retirement of Albert Fuchs the *Evening Post* says: A. Holinger & Co. have sold to Walter Retzer for $40,000 193 by 252 31 feet on North Halsted street, in Lake View, occupied by Albert Fuchs' greenhouses. The consideration includes all the growing plants and stock of the establishment, among which is a large collection of palms consisting of 170,000 plants. In connection with this sale A. Holinger & Co. have also negotiated for Albert Fuchs a ninety-nine-year lease of the land covered by greenhouses and dwelling-houses at the rate of $150 a month, with the privilege of buying the ground for $25,000 any time hereafter.

The success which has this season attended Bassett & Washburn's efforts at holding ferns in cold storage causes them to believe that after some high priced experience they have come upon the right method. They now have 600,000 in the Western Cold Storage Company's warehouse in a temperature between 10° and 12°. When these ferns were received last fall they were put in storage at 28° but after two weeks it was found that the centers of the cases were as warm as from 35° to 40°. Then the whole lot was moved into the next coldest room where they have remained ever since, frozen solid. Mr. Washburn says that care, or rather time, is necessary to thaw them. The ferns are put into the ice box, covered with moss, and allowed to remain for a week in a temperature of 45°. With this process practically none have been lost this season.

The Washington grown hyacinths will be at their best at Lincoln Park next week and are well worth inspection Mr. Stromhach says they beat any Dutch hyacinths he ever saw. There are six varieties in the bed, King of Blues, Gen. Pelissier, Robt. Steiger, Marie, Norma and Gertrude and all show a surprising number of strong flower spikes, one bulb of Marie, blue, having no less than seven. The bed of Washington tulips is apparently on the way to a good showing but the bulbs forced during the winter, while producing as good blooms as any Dutch stock, did not come up to expectations, as the bulbs were much larger than the best Dutch product. It is thought they might not have been thoroughly ripened.

Shipments of cut flowers to New Orleans on Monday, Tuesday and Wednesday of last week were delayed by wash outs on the Illinois Central until the stock was worthless. Claims upon the express company were met with reference to the clause in the shipping receipt which reads: "This company is not to be held liable for any loss or damage by fire, by the dangers of navigation, by the act of God or of the enemies of the government, etc."

The matter of coal for next season promises to be a considerable item, some of the largest growers having already found it expedient to sign contracts for their supply at an advance of 55 cents a ton, or about thirty per cent, over last year's price.

Peter Reinberg expresses great satisfaction with the sale for rose and carnation cuttings and rose plants. He has found an active market and has booked orders enough to exhaust his stock.

Witterstaetter has been exhibiting Enquirer in Chicago again, this time at Kennicotts', where it has scored 100 points in comparison with the bulk of the cut and has sold for the top market price.

A. L. Randall has been enjoying his annual outing at West Baden and reports himself as "feeling fit"; he will be home tomorrow.

Kennicott Bros. Co. took advantage of the recent break in the price of wire to lay in a supply which they expect to last them more than two years.

The Beauty crop is at its height with the South Park Floral Company. On Tuesday they sent in 309 of the best buds.

Mayflowers came in from Wisconsin on Wednesday and Thursday's consignment was slow sale.

Flint Kennicott is preparing to take up his residence in the country again next week.

Visitor: E. G. Hill, Richmond, Ind.

AUBURN, N. Y.—Wm. G. Dobbs, of Geo. Dobbs & Son, is now able to be about again, after an illness of nearly two years' duration.

WHEELING, W. VA. — The Wheeling Greenhouse Company has been chartered by H. C. Hazlett, A. G. Hubbard, Nelson E. Hubbard and Thomas B. Sweeney; capital stock $50,000.

Toronto.

WEATHER VERY FAVORABLE FOR FORWARDING SPRING STOCK.—NOTES OF A VISIT TO A PAIR OF GOOD GROWERS.—MANY FINE THINGS IN SIGHT.—A WEDDING.—GRAFTING ROSES.

The weather is very mild, with occasional showers, and the large quantities of bedding stock being grown by the gardeners is coming along at a great rate. I took advantage of the fine weather to drive out to Mimico and visit the greenhouses of Grobba & Wandrey, and the cordial reception I received will be an inducement for a repetition of the call at an early date. These two young Germans only started here a few years ago, but I should judge from the work they have done and the stock they are growing they are already on the high road to success. Mr. Grobba explained to me that they were adopting the methods in vogue in the "Vaterland," with which, having been at the business from early childhood, they are both thoroughly acquainted. They have a number of even-span houses and large hotbeds, heated by hot water. They grow great numbers of cyclamens from seed in these hotbeds, and succeed in producing, from seed sown the latter part of December and early in January, fine, large, blooming plants early in the fall. I know the plants they produced last fall were of the best. They had some fine plants of the white crested variety in flower, which they were growing on for seed. The flowers of this variety are even more beautiful than the pictures of them in the catalogues, which is something unusual. One of their specialties is ferns, and of these they have several houses in various stages, nearly all grown from sporcs. They have no large plants, which is accounted for by the fact that the demand is so great they can not keep them long enough to get any size. Benches with hundreds of hydrangeas loaded with buds, many of them specimen plants, were deserving of note. They are about to put up another house 16x80 and two houses 13x150 specially for ferns. Under the benches were hundreds of amaryllises, of which they make a specialty, growing them for cut flowers. They have large quantities of geraniums, petunias, asters, coleus, verbenas, all very forward and in excellent condition. There are also many hundreds of tomato plants in pots, almost in bloom, which they will put in the ground the moment it is safe to do so. Their aim is to grow the best of everything and to be the earliest on the market if possible.

An interesting event took place at F. C. Miller's, at Bracondale, on Wednesday, April 18, when his eldest daughter, Agnes, was united in marriage to George Anderson, of Fairbank. As this is not a ladies' magazine I need not trouble you with a description of the bride's dress, but I understand that upwards of 250 guests were present on the occasion, and that Mr. Miller put up an addition to his house 20x80 feet for their accommodation at the breakfast, and that the festivities were kept up till about four o'clock Thursday morning.

Jno. H. Dunlop has been grafting large quantities of Bride, Bridesmaid and Beauty roses with much success and has a fine lot of these ready for the benches. Business continues good. S. P.

GRAND FORKS, N. D.—F. V. Kent has enjoyed an excellent patronage recently and has worked up a fine stock for spring.

New Orleans.

SHOW OF HORTICULTURAL PRODUCTS AT THE STATE FAIR.—LITTLE VARIETY IN THE DISPLAY.—PECULIAR METHODS OF JUDGING AND AWARDING MENTION.

The exhibition of the New Orleans Horticultural Society in connection with the Louisiana State Fair was opened last week. The weather was bad and the attendance very poor. Foliage plants were quite in evidence but flowering beds were less in evidence than before. New Orleans is the happy possessor of one or two private collections of large and beautiful foliage plants, and these seem to be the only foundation of our shows. But as a matter of fact they form a very stale exhibit. People are tired of looking at them. They want something new, something gay with bloom and rich in colors.

As usual the best prizes went to H. Papworth. Among the regular florists, prizes were equally divided between E. Valdejo, H. Menard and Abele Bros., one or two other florists having cut only a small figure in the exhibition. Two sweepstake medals are to be given by the society. As there are yet some competitions for cut flowers and flower work to be decided nothing has been determined as to who will be the winner, although it seems to be between E. Valdejo and H. Menard.

Complaints have been made about the way prizes have been awarded. It seems that the judges have been remiss. First prize for the best six roses was given to a collection of only four. In the class for hanging baskets one exhibitor was entirely overlooked. Special mention was given to imported palms and evergreen northern stock when very acceptable young palms grown in Louisiana received no notice, and this by the very men who tell you that the south can beat the north raising plants.

John R. Fotheringham, representing F. R. Pierson Company, Tarrytown-on-Hudson, N. Y., was in town recently on his way to California. M. M. L.

St. Louis.

CUT FLOWER TRADE IN A STATE OF DEMORALIZATION.—NO BOTTOM TO WHOLESALE PRICES —STOCK GOES AT FAKIRS' RATES.—NOTES.

The bottom has completely dropped out of the cut flower business in St. Louis this week and the market is thoroughly overstocked. Everything goes at the buyer's price and quality does not cut any figure. Pretty much everything is sold in job lots and the street fakir is in his glory. Roses that sold last week for $4 to $6 per hundred can be had this week at $10 per thousand. Carnations go as low as $5 per thousand in large lots. The only demand is for white stock for funeral work. Those florists who have greenhouses are doing quite a business in plants and out-of-door work.

At the last meeting of the Florists' Club, held April 19, it was decided to give a flower show this fall. Messrs. Beneke, Meinhardt and Kunz were appointed upon the committee of arrangements.

Luther Armstrong, who has been quite ill, is able to be out again and Fred. Weber is reported improving.

The St. Louis bowling team has decided to visit Chicago on May 6.

Visitors: Arnold Ringier, Chicago; E. W. Guy and Dr. Halstead, Belleville; Fred. Ammann, Edwardsville; F. W. Ude, Kirkwood, Mo. J. M. H.

Cincinnati.

MEETING AND MONTHLY EXHIBITION OF THE SOCIETY.—MANY SPRING FLOWERS SHOWN.—THE PRIZE WINNERS.—STATE OF THE MARKET.—MUCH STOCK.

The regular monthly meeting of the Cincinnati Florists' Society was held April 21 but was not as well attended as usual. The exhibition brought out a goodly number of visitors during the afternoon. This was a decided spring show, bulbous flowers predominating. A table containing about fifty vases of hyacinths, tulips, narcissi and lilies of the valley staged by George & Allan was a glorious sight, and captured first on all of these items. Henry Schwarz was first for twenty-five geraniums in variety, also for Lilium Harrisii. A vase of fifty blooms of Enquirer carnations caught the eye of every visitor and was awarded honorable mention, the variety having received a certificate and gold medal at the March meeting. Mr. Witterstaetter contemplates sending a box of Enquirer to England next month.

Bright sunshine the past week had a remarkable effect on the supply of cut flowers. Carnations are now plentiful and roses are sufficient to meet all demands. Sweet peas have made their appearance but have met with slow sale. Violets are about done now and Harrisii are plentiful enough to supply the ash barrel. Geo. Bruner's Sons are bringing in choice hybrid roses in pots. Robert Murphy's Sons are distinctly in it with Jacqs.

H. SCHWARZ.

Lynn and Thereabouts.

A third better trade is the concensus of opinion hereabouts as expressed by most of the trade when questioned about their Easter business. Gibbs Bros. cleaned up everything, running short on lilies. Chas. Otis had a fine run on carnations as well as Harrisii. Wm. Miller & Sons were driven with work and were handicapped by the illness of James L. Miller, a junior member of the firm. I am pleased to report him as improving and hope to see him about as usual in a short while. S. M. Gould cleaned everything out at an early hour and numbers were turned away. This really is true of every dealer in the city, the Newhalls, Goodwin, Lord, Thompson, Wyman & Son, Quinlan Bros., Davenport, Lewis, Richards, in fact all report demand far in excess of supply.

In the death of Henry Young Lynn loses one who started back in the days when Lynn's florists could be counted on one hand. From a town with only two growers he has watched the development into a busy city with upwards of eighty growers. His kindly smile and word of cheer will be missed, for most of us had learned to know him as a true friend.

E. G. Blaney, Jr., reports trade at Swampscott as far ahead of 1899, everything being sold out early and better prices prevailing.

J. M. Ward & Co., with an immense stock of potted plants and cut flowers, were unable to meet the Easter demand.

Mrs. J. M. Julyn, H. T. Conant & Co. and McGee, Geary & Co., of Salem, are all greatly pleased with the increase of trade at Easter.

E. Hayden and J. B. Reynolds report trade at Marblehead away ahead of last year.

Ed. Kaulback & Son, of Malden, disposed of 5,000 longiflorums, which were in fine shape, at a good margin.

TAP.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

GROWERS report that leading kinds of geraniums are already well sold out.

WE are in receipt of a nice box of the mayflower (Epigæa repens) from C. W. Sibley, of Athol, Mass.

As an indication of the demand for carnations, it may be stated that one prominent firm sold over 100,000 rooted cuttings of new varieties this season.

THE coal combine in the Illinois and Indiana fields, one of the strongest ever perfected, promises to make next winter's heat cost growers nearly one-third more than last year.

THERE was recently reported at Chicago a case in which the death of a child was attributed to diphtheria, contracted by playing with flowers which, in the course of the funeral, the father of the child had taken from the grave of a neighbor's child, a victim of the same disease. The secretary of the health department threatens to prosecute the undertaker for permitting the flowers to be taken from the grave.

Greenhouse Building.

Detroit, Mich.—G. A. Rackham, carnation house 18x102. C. H. Plumb, rose house 28x128; carnation house 20x117.

Waterville, Me.—H R. Mitchell & Son, house 60x120 and potting shed 20x60.

Toronto, Ont.—Geo. Mills, range of houses. John Gard, one house.

Portland, Ore.—Martin & Forbes, two carnation houses 22x144.

Mimico, Ont.—Grohba & Wandrey, two houses 13x150, one house 16x80.

Augusta, Ga.—H. W. T. Balk, one carnation house.

Edgely, Pa.—Floral Exchange, range of houses.

St. Augustine, Fla.—East Coast Hotels, conservatory.

Wethersfield, Conn.—Arthur J. Pike, carnation house, 20x100.

The Rose Society's Second Show.

Proof sheets have been issued showing the schedule of premiums offered for the first summer exhibition of the American Rose Society, to be held in the winter garden of the Eden Musee, New York city, June 12, 13 and 14, 1900. On the first day cash prizes to the amount of $153.50 will be awarded in ten classes for various collections, and $52 for ten classes of six blooms each of hybrid perpetuals and hybrid teas; $14 is offered for twenty-five sprays of Crimson Rambler. On the second day there are four classes open to private gardeners only, for which silver to the value of $87 is offered; then there are three classes open only to amateurs for which $14.50 is offered. The special premiums include the Stoeckel cup, valued at $100, offered for the best thirty-six plants of hardy garden roses, in pots, not less than twelve varieties; the Henderson cup, valued at $50, for the best display of roses grown in the open ground in not less than seventy-two blooms; the Joline cup, for the best vase of La France, not less than thirty-six blooms; the Sturges medal, for best vase of Lamarque; the E. M. Wood prizes for Marechal Niel, the Siebrecht prizes for Belle Siebrecht, and the society's certificates. All exhibits must bear the name of each variety, properly attached; the judges will not consider any exhibit not so labeled. Copies of the bulletin of the society, containing the rules and schedule may be had by addressing Leonard Barron, secretary, 136 Liberty street, New York.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

John H. Dunlop registers Rose Lady Dorothea, a sport from Sunset, originated with Mr. Dunlop in the spring of 1895. Color, outer petals deep peach, pink to Indian red at base; inside, soft flesh color, deepest in mid-winter. Other characteristics, as to color, vigor of growth, etc., identical with the parent, but omitting the objectionable feature of malformed buds at any season of the year. Can be disbudded to center bud, which is always perfect.

Lager & Hurrell register Cattleya labiata Mrs. W. C. Squires. Flowers large, sepals and petals broad and massive, of a dark rosy mauve. Lip very large with fringed margins, the expanded portion crimson purple, posterior part stained with straw buff and crimson purple. The unusual flowering season of this variety is due to the plant having been imported late in fall.

WM J. STEWART, Sec'y.

Gloxinias and Begonia Rex.

ED. AM. FLORIST:—Please tell me how to treat gloxinias and rex begonias as to temperature and shade. N. U.

Rex begonias are benefited by shading at all times, although very little is required in winter time, merely placing them in a shady part of the greenhouse. A thin shading will suffice during the early part of spring but as the sun becomes more powerful, especially during the summer, it will be necessary to use a thicker shading. A night temperature of 60° is required during the winter months. During the summer established plants, which need plenty of air day and night, can be placed out of doors in some sheltered, shady place. Rex begonias require a rich, porous soil composed of two parts loam, one part leaf mold, one part rotted manure, one part sand and a little lime.

Gloxinias, when started, require a night temperature from 65° to 70° with a rise of 5° to 10° in daytime. They will require very little water until they begin to grow freely. Maintain a moist atmosphere in the house. They are more easily watered when placed on shelves erected on the greenhouse bench, the highest shelf at the back, with a gradual slope to the walk, similar to a flight of stairs; besides you are less liable to wet the foliage when watering and that is one of the essential things to avoid if you want to grow good gloxinias, especially if you use cold water from the hose. I prefer to use the watering pot when watering gloxinias and water under the leaves. Wet the benches occasionally to keep down thrips. The soil should be one part fibrous loam, one part half-rotted leaves, a sprinkle of sand, a little fine rotted cow manure, with thorough drainage. When growth has started the plants will need shading lightly by spraying naptha and white lead on the glass. As the sun gains in strength use lath shades over the painted glass. When coming into flower water with weak liquid manure occasionally. When in flower remove to a cooler house where more air can be given but avoiding cold draughts. When through flowering the plants can be placed outdoors in a frame where they can be protected from heavy rains. They can be stored in a warm, dry cellar in winter, or the pots can be placed on their sides under the greenhouse bench. Keep them dry until time to start again. ROBERT SHORE.

Louisville.

PROSPERITY IN THE BLUE GRASS METROPOLIS—BUSIEST SEASON ON RECORD.—EVERYTHING SELLS.—PERSONAL DOINGS OF INTEREST.

This has been the best season the florists of Louisville ever experienced, trade being good all winter, holding up well through Lent and culminating in the biggest Easter on record. Lilies were in greatest demand but after it was all over there were some still on hand, doubtless the result of the fear that more orders had been taken than could be filled. Jacob Schultz and F. Walker & Co., probably did the most in the plant line, the former renting an extra store for the purpose.

Wm. Mann has grown some of the finest Boston ferns ever seen here. He is getting his full share of the trade although he is located far from the center of town.

Joseph Coenen & Co. are hustlers; it is by their own labor that they have built up the fine range of glass with which they are doing their present large business.

Nanz & Neuner report their catalogue trade heavy this year. They have had some splendid azaleas in their window recently.

Chas. Raynor, of the Anchorage Rose Co., one of the best rose growers in Kentucky, sailed for Europe on April 18, accompanied by his son.

It seems that every decorative plant in town was rented out for use in churches at Easter.

A. Stickler has discontinued business, torn down his greenhouses and sold the material.

Ed. Morat has discontinued his store, being succeeded by Henry Schnatz.

H. G. W.

OBITUARY.

MRS. J. L. SCHILLER.

Mrs. Schiller, wife of J. L. Schiller, the seedsman of Thirty-fourth street, New York, died April 22. Mrs. Schiller had not been well for some time, but it was only recently that her illness was considered serious. The remains were conveyed to Hagerstown, Md., her former home, for burial.

M. J. M'CARTHY.

Death has again entered the ranks of the workers in horticulture at Providence, R. I., and removed a young man well known and highly proficient in his profes-

sion. M. Joseph McCarthy was born in Boston forty-one years ago and for almost twenty-five years he had been assistant superintendent of Swan Point Cemetery where his work was of the highest character and his faithfulness is attested by the fact that in all that quarter of a century he never once failed to personally make out the pay roll. Mr. McCarthy leaves a widow and four children to whom the directors of Swan Point Cemetery presented a testimonial of the esteem in which the deceased was held, together with resolutions of sympathy.

JOHN BREITMEYER.

The trade lost one of its veterans and one of its most popular, respected and successful members by the death of John Breitmeyer at Mt. Clemens, Mich., on Saturday evening, April 21. Mr. Breitmeyer was born in Langen-Kandel, Bavaria in 1835. He came to America in 1852 and settled in Detroit, establishing a market garden at the corner of Gratiot and Dequindre streets. A few years later he bought several acres of land on Mack avenue and built greenhouses for growing both vegetables and flowers, the latter being sold at his store on Bates street. His retail place was afterwards located on Miami avenue. Buying the same property a few years later he built upon it a modern store and greenhouse. In 1886 he established his rose houses at Mt. Clemens and year after year added to the establishment until it became the largest area of glass in the state of Michigan. He gave his personal attention to the management of this place and, assisted by two of his sons, made the product famous for its quality. Some of their seedling chrysanthemums and such carnations as Mayor Pingree and Cerise Queen have done much to extend his fame. He planted several acres with grapes, took particular delight in their culture and was eminently successful with them. About three years ago failing health obliged him to retire from active work and a year ago he made a visit to Europe, returning much improved in health. His last illness was very brief. He is survived by a widow, four daughters and five sons, all of the latter being associated with him in the extensive and prosperous business his industry had built up. He was a man of sterling character, with an amiable and charitable disposition. It was only necessary to enjoy his acquaintance to be the recipient of his well-known hospitality. The obsequies took place on Tuesday, April 24, the Detroit Florists' Club attending in a body and sending a large scroll of violets, carnations and orchids on which was the simple, significant inscription "True." On Monday evening the club met and caused the following to be inscribed on the records:

WHEREAS, God in His providence has removed from our midst Mr. John Breitmeyer, therefore be it

Resolved, That in his death the Detroit Florists' Club has lost a faithful friend, a beloved brother, and an earnest worker in all that makes our profession honorable and valuable. To know him was an honor, and to be his friend was a boon to be coveted. He was a good man, a good florist and his word was as good as his bond. We extend the sympathy of our club to the bereaved family and ask that we be allowed to share in their sorrow, for we loved him, and his memory shall be forever enshrined in our hearts.

DANVILLE, VA.—J. H. Rhodes has just completed a new carnation house, 18x44.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV (situations only) free to be used at any time during the year.

SITUATION WANTED—Age 34, sober and industrious; experience with cut flowers, plants, etc.; Commercial or private. Address GARDENER, Troy, N. Y.

SITUATION WANTED—By a single man, as head assistant rose grower; 14 years' experience; age 28. Send particulars and state wages. Address R. M., care American Florist.

SITUATION WANTED—By an experienced grower of cut flowers and plants, to take charge. 10 year's in last place; state wages. FLORIST, Julian Hotel, 3817 State street, Chicago, Ill.

SITUATION WANTED—By a thoroughly competent grower; age 26; 12 years' experience with all commercial stock. Steady and sober. Best of references. Address CHICAGO care Am. Florist.

SITUATION WANTED—By a married man as manager or foreman in a private or commercial place; 23 years' experience. German, aged 37; 8 years on present place. Best of references; vicinity of New York preferred. Address A. R., care Am. Florist.

SITUATION WANTED—A position in or near Chicago by all round man. All rose and orchid grower also familiar with greenhouse construction, competent to take charge of private or commercial place, 10 years' experience east and west. Address FLORIST, 2725 Wabash Ave., Chicago, Ill.

SITUATION WANTED—As foreman, 25 years' experience in growing of plants for catalogue trade; also growing of plants for store trade; the forcing of all kinds of bulbs and plants for Christmas, Easter and spring trade. First-class propagator of all kinds of plants, such as roses, hardy plants, hardy shrubs, etc. Good references. Married, small family. Will be disengaged soon. Address FLORIST A., care American Florist.

WANTED—Two young men for carnation and rose houses. State experience and wages wanted. F. BURKI, Bellevue, Pa.

WANTED—Address of Louis Truxler, a practical and ornamental florist. THOS. B. BULL, Bakersfield, Cal.

WANTED—A very good, all-around greenhouse man. Must be lively. WALTER RETZER & CO., 2045-59 Clarendon Ave., Chicago.

WANTED AT ONCE—Young florist to assist in greenhouse work. Address FRANK BEU, 2780 N. 40th Ave., Chicago.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—A florist for general greenhouse work; must be sober, industrious and trusty. Wages $20 per month and board. Send recommendations. I. L. PILLSBURY, Galesburg, Ill.

WANTED—A rose grower who thoroughly understands growing A No. 1 stock. A good chance for the right man. Referencies required. Address ADOLPH H. POEHLMANN, Morton Grove, Ill.

WANTED—A young man wanting to learn the florists trade or one having some experience in the business. State wages with board and room. Address FLORIST care American Florist.

WANTED AT ONCE—2 or 3 young men for general greenhouse work; must be good workers. Good wages and steady work. Send references, with wages expected, to CARL HIRSCH, Gardener L. S. & M. S. Ry. Co., Hillsdale, Mich.

WANTED AT ONCE—Competent, single florist, on commercial place where roses, carnations, 'mums and general stock is grown. Good place for a good man. Send references. State wages, and address at once, GUNNAR TEILMANN, Marion, Ind.

WANTED—Young man not over 25 years of age, to assist in rose houses; one who has had some experience in retail work, making-up, etc., preferred. Must be temperate. Wages $38 per month and room. Work the year round. Apply to ROBERT MILLER, Mgr., Exeter Rose Conservatories, Exeter, N. H.

WANTED—Greenhouse engineer, to look after pumps, do piping, brickwork and repair glazing; must have an eye to carpenter work, and be supplied with most necessary tools. Wages $50 per month, with steady position the year around. Married man preferred. Call or address GEO. REINBERG, 51 Wabash Ave., Chicago.

WANTED—A foreman, to take charge of 60 000 square feet of glass; must thoroughly understand how to grow roses, carnations and 'mums, also a general plant stock. Good wages. First class references required. A splendid opportunity for a capable man. Address FOREMAN, care American Florist, Chicago.

FOR SALE OR RENT—Commercial place; location the best. R. D. BAKER, Canon City, Colo.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE CHEAP—Six hothouses (85x11 each), 4-room dwelling, cellar, sheds. Hot water. No competition. A bargain. Address W. L. WINN, White Hall, Ill.

FOR SALE—Established florist business, city of 40 000, five houses, over 8,000 feet of glass, one or three acres of land. Stock at appraisal. Very little competition. Bargain; investigate. Also 100 farms. Apply to POORE'S FARM AGENCY, 104 Merrimack St., Haverhill, Mass.

FOR SALE—In famous Ridgwood Avenue, Daytona, Fla., one acre of land with six-room dwelling, half acre of glass filled with oranges, bananas, pineapples and vegetables. Good market and good prices. Rare opportunity. Address J. F. TROUT, Daytona, Florida.

Please mention this journal in your answer.

WANTED.

STEADY, RELIABLE MAN, experienced in assorting and packing cut flowers, roses and carnations. Also good on design work. Permanent place to good man. Send reference, age and salary expected. WHOLESALE, care W. J. Stewart, 67 Bromfield St., Boston, Mass.

FOR SALE

One of the best

FLOWER STORES

In the country, right in the center of Milwaukee, an excellent place for this business; or else greenhouses with three acres of land near the city are for sale at a bargain. Inquire of **G. VOK Cor. Milwaukee and Oneida Sts., Milwaukee, Wis.**

For Sale

Three Greenhouses, 20x80 each, two short span to south, one even span; steam heat, five years old, best cypress material, stocked with plants, etc. Possession given immediately, houses to be moved. Good town, 5000 people. Sell altogether only. Write for particulars.....

JOHN LIEBER, Maryville, Mo.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land. 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a fine dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA

Orders From All Parts.

AM. FLORIST CO.—It is remarkable the amount of orders the one two-inch ad. brought me from the special number of your paper. Orders came pouring in from all parts of the United States, and they are still coming. It now keeps me busy writing, as I am sold out. The AMERICAN FLORIST is O. K.

W. W. COLES.

Kokomo, Ind., April 16, 1900.

Wholesale Flower Markets

CINCINNATI, April 26.

Roses, Beauty, select	40 00
" " medium	20.00
" Bride	6.00@ 8.00
" Bridesmaid	6 00@ 8 00
" Meteor	6 00@ 8.00
" Perle	4 00@ 5 00
Carnations	1 50@ 2 00
" fancy	3 00@ 5 00
Lily of the valley	3.00@ 4 00
Violets	50 @ .75
Roman hyacinths	2 00@ 3.00
Dutch "	4 00@ 5 00
Harrisii	12.50@15.00
Callas	10.00@12 50
Daffodils	3 00
Tulips	3.00@ 4.00
Narcissus	3 00
Stocks	2 00
Sweet peas	1.00
Smilax	15.00
Adiantum	1.00
Common ferns	.20
Asparagus	50.00

ST LOUIS, April 26.

Roses, Beauty, short stems	2 00@ 8.00
" " medium	10 50@20 00
" " fancy	25.00@40 00
" Bride, Bridesmaid	4.00@ 8.00
" Meteor	4 00@ 8 00
" Perle Wootton	3.00@ 4 00
Carnations, common	1 00
" fancy	1.50@ 2.50
Lily of the valley	3.00
Violets	.25@ 40
Narcissus	2 00@ 3.00
Roman hyacinths	2 00@ 4.00
Dutch "	3 00@ 4.00
Sweet peas	50@ 1 00
Callas	8 00@10 00
Harrisii	8 00@10 00
Tulips	2 00@ 4 00
Smilax	12.50@15 00
Adiantum	.60@ 1.00
Asparagus	15.00@50.00

MILWAUKEE, April 26.

Roses, Beauty, long .... per doz.	3 00@4 00
" " medium " "	1 50@ 2.50
" " short " "	.50@ 1.00
" Bride, Bridesmaid	2 00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.50@ 2.00
" fancy	2.00@ 3.00
Violets	.50@ 1.00
Daffodils	3 00@ 4 00
Lily of the valley	3.00@ 4 00
Roman hyacinths	2 00@ 3 00
Narcissus	3 00
Callas	8 00@ 15 00
Harrisii	12.50@15 00
Mignonette	2.00@ 3.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, April 26.

Roses, Beauty	3.00@35.00
" Bride, Bridesmaid	3.00@12.00
" Meteor	3.00@12.00
" Kaiserin	3 00@ 8.00
" Perle	3.00@ 6.00
" Cusin	3.00@ 6 00
Carnations	1 50@ 4.00
Lily of the valley	2 00@ 4.00
Violets, double	.20@ .75
" California	.20@ .30
Daffodils	3.00@ 4.00
Harrisii	5 00@10.00
Tulips	2.00@ 3.00
Pansies	.50@ .75
Lilacs, per bunch	1.00@ 1 50
Daisies	.75@ 1.50
Mignonette	.75@ 2 50
Smilax	15 00@20.00
Wild Smilax.....per case	3.50@6.00
Adiantum	.75@ 1.00
Hardy ferns	20
Asparagus bunches	.40
" strings	.35@ 75
" Sprengerii, bunches	.50@1 00
Galax leaves	.15

DENVER, April 25.

Roses, Beauty, select	20.00@35.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Perle, Wootton	3 00@ 5 00
Carnations, ordinary	1 00@ 2.00
" fancy	2.00@ 3 00
Lily of the valley	4.00
Violets	50
Callas	12 50
Harrisii	12 50
Daffodils	4.00
Tulips	4.00
Sweet peas	.50@ .75
Asparagus	50 00
Smilax	15 00@17.00
Ferns	.30
Galax leaves	.20

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CATTLEYA TRIANÆ		18.00

(N. B. These plants are fully established, being principally from last year's importations.)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. ..... per dozen, $1.00
DRACAENA TERMINALIS nice plants, 2½-in. ..... " 1.00
(Special prices will be quoted on application for these plants in quantity from the sand.)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

"There is Corn in Egypt Yet."

We have been selling good Flowers for a long time now. We can keep it up.

WHOLESALE CUT FLOWERS.

E. C. AMLING,
32-34-36 Randolph St.,
WALTER S. HEFFRON, MGR. ...CHICAGO, ILL.

ALL KINDS, BUT ALL GOOD.

Cut Flowers at Wholesale.

HOLTON & HUNKEL CO.,
MILWAUKEE, WIS.

HUDSON & CO.
WHOLESALE FLORISTS,
1527 PINE STREET,
Phone, Kinloch D 83. ST. LOUIS, MO.
Consignments Solicited. Prompt returns guaranteed.

Cincinnati.. Cut Flower Co.,
W. A. MANN.
FRANK W. BALL.
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

SUCCESSFUL SELLERS
are the successful growers who advertise in
THE AMERICAN FLORIST.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

	Per Dozen.
AM. BEAUTIES, Ex. long	$2.50 to $3.00
" 24-inch stems,	2.00
" 20 " "	1.50
" short "	1.00
	Per 100
CARNATIONS, fancy	$3.00 to $4.00
" standard vars. asst.	1.00 to 1.50
BRIDES	4.00 to 6.00
BRIDESMAIDS	4.00 to 6.00
METEORS	4.00 to 6.00
PERLES	2.00 to 4.00
VALLEY	3.00 to 4.00
TULIPS	3.00 to 4.00
LIL. HARRISII	6.00 to 8.00

	Per 100.
CALLA LILIES	$8.00 to $12.50
VIOLETS, double	.60 to .75
" single	.50
ADIANTUM	.75 to 1.00
ASPARAGUS	50 cts.
SMILAX	12.50 to 20.00
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS...$1.50 per M.	.20

WILD SMILAX. (Caldwell's.)
No. 1 coutains 15 lbs. $2.50
No. 2 " 20 lbs.. 3.50
No. 4 " 35 lbs. 4.50
No. 5 " 40 lbs.. 5.50
No. 6 " 50 lbs.. 6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc.
MASSACHUSETTS FANCY FERNS, 1000 $1.50; 5000 lots, $6.25

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

WEILAND-AND-RISCH

We are large Growers and Shippers of CUT FLOWERS
ALL THE NEW VARIETIES.
YOUR BUSINESS SOLICITED.
59 WABASH AVE., CHICAGO

WHOLESALE FLORISTS

GEO. REINBERG,
Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

PETER REINBERG,
Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, April 27.

Roses, Beauty, extra long stems		3.00
" " 30 inch "		2 50
" " 24 " "		2 00
" " 20 " "		1 50
" " 15 " "		1 25
" " 12 " "		1 00
" " 8 " "		75
" Bride, Bridesmaid	4.00@	6 00
" Perle	3.00@	5 00
" Meteor	4 00@	6 00
" La France	4 00@	6.00
" Golden Gate	8.00@	12 00
Carnations	1.00@	1.50
" fancy	2.00@	3 00
Violets	50@	1 00
Lily of the valley	3.00@	5.00
Lilacs " .25@ .50		
Mignonette	2.00@	6.00
Roman hyacinths	2.00@	4 00
Dutch hyacinths	4 00@	10 00
Narcissus	2 00@	3.00
Harrisii	8.00@	10 00
Calins	8 00@	10 00
Tulips	4.00@	6.00
Sweet peas	1.00@	2 00
Adiantum	.50@	1.00
Common ferns		.15
Fancy ferns		.20
Smilax	12 50@	15.00
Asparagus	50.00@	60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties — Violets — Roses

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT 1783 PITTSBURGH, PA.

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:30 A. M. TO 10:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

Wholesale Commission Florists.

New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

TELEPHONE 2200 MADISON SQ.

Wholesale Florists,

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

THE AMERICAN FLORIST'S

COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St Chicago

Wholesale Flower Markets

PHILADELPHIA, April 25.

Roses, Tea	2.00@ 4.00
" extra	6.00@ 8.00
" Beauty, extra	20.00@30.00
" firsts	8.00@15.00
Carnations	1.00@ 2.00
" fancy	3.00@ 4.00
Lily of the valley, Daffodils	3.00@ 4.00
Violets	50@ .75
Mignonette	1.00@ 3.00
Asparagus	5.00@75.00
Smilax	15.00@25.00
Adiantum	1.00@ 1.50

BOSTON, April 25.

Roses, Beauty, extra	15.00@20.00
" " medium	8.00@10.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" extra	6.00@ 8.00
" Brunner	12.00@25.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 4.00
Lily of the valley	2.00@ 3.00
Violets	.20@ .60
Daffodils	1.00@ 2.00
Tulips	1.00@ 2.00
Longiflorums	4.00@ 6.00
Callas	5.00@ 8.00
Mignonette	1.00@ 2.00
Smilax	16.00@25.00
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Roses, Beauty select	10.00@20.00
" " medium	6.00@ 8.00
" " culls	2.00@ 5.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
" " " Select	4.00@ 8.00
" Jacq., Brunner	6.00@16.00
Carnations	1.00@ 1.50
" fancy	2.00@ 4.00
Lily of the valley	1.00@ 2.50
Violets	.15@ .40
Yellow narcissus	1.00@ 2.00
Tulips	.50@ 1.00
Mignonette	1.00@ 3.00
Sweet peas	.50@ .75
Callas	4.00@ 6.00
Harrisii	3.00@ 4.00
Cattleyas	40.00@50.00
Smilax	15.00@25.00
Asparagus	35.00@50.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, April 26.

Roses, Beauty	10.00@50.00
" Bride, Bridesmaid, Meteor	6.00@10.00
" Perle, Niphetos	5.00@ 8.00
" Kaiserin	8.00@15.00
Carnations, ordinary	1.50
" fancies	3.00
Lily of the valley	3.00@ 4.00
Violets	.60@ 1.00
Mignonette	2.00@ 6.00
Daffodils	3.00@ 4.00
Dutch hyacinths	3.00@ 4.00
Harrisii	10.00@12.50
Callas	8.00@10.00
Tulips	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	15
Asparagus	50.00@75.00

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SEED potatoes are lower and apparently in over-supply.

SUZUKI & IIDA, of New York, have taken new quarters at 11 Barclay street.

AMONG the farmers of the west seed corn is said to be of poor germinating quality.

ONION seed crop prospects in California are reported rather unfavorable at present, but it is too early to predict results approximately.

ST. PAUL, MINN.—L. L. May & Co. report that the catalogue mail trade since March 15 has beaten all previous records, daily sales ranging from ten to thirty per cent more than last year.

ONE of our St. Louis correspondents calls attention to the fact that a seed firm of that city opens up its store at 2:30 o'clock a. m. for the convenience of gardeners and farmers and wishes to know what other cities practice this early opening.

Augusta, Ga.

N. L. Willett says the immense amount of cotton being planted this year has rather cut short the buying of miscellaneous field and forage crops. On account of the excessive amount of cold up to April 1 there has not been the usual amount of garden seeds planted. The high price of beans and peas for seed has prevented many of the poorer truckmen from putting in the usual acreage of these vegetables. A more than usual amount of Irish potatoes has been planted. The special shortage this year among truckmen is Valentine beans. The price that has ruled for the seed has not been less than $8 per bushel. This has been the main staple crop heretofore, with most of our truckmen. Crops are not showing up well, owing to too much cold and rain up to the present time.

The Alexander Seed Co. reports that sales have improved very much this year, also that the sale of bulbs has increased materially, and that the prospects are good for a large September planting of snapbeans along the coast.

L. A BERCKMANS.

LOW PRICES on BULBS & PLANTS

Amaryllis Equestre. $4 per 100; A. Formosissima, $3; A. Johnsoni, $15; A. Vittata, $20 **Anemones** for fall blooming, $1. **Begonias.** single, $2 50; double $4. **Callas.** Spotted $2; Little Gem $2.50, Fragrance $10, Yellow $25, Black $10 **Caladium Esculentum** 5 to 7 $2, 7 to 9 $4, 9 to 12 $7. **Cannas.** mixed, $1.50. named, $2 up. **Crinums.** $7. **Dahlias,** mixed, or to color, $4: fine named sorts, Cactus or others, $5 per 100. **Gladioli.** 2d size, $4 per 1000. **Gloxinias,** $3. **Hyacinthus Candicans,** 50c to $1. **Iris Germanica.** $1.50. **Ipomœa Pandurata** $3. I. Mexicana, monsters, $3. **Lilium Auratum** $5. L. Album, $6; L. Superbum, small, $1.25. **Maderia Vine** 60c. **Montbretias** $1 **Oxalis** $1 per 1000. **Tigridias** $1.50. **Tuberoses.** 1st size 75c, 2d size 30c. Milla, Bessera, Cyclob, $1 per 100.

PLANTS. Asparagus Sprengeri, $3 50 to $20. Astilbe Chinense new, fine, $10. Begonia Duke Zeppelin, $10. Hibiscus new sorts, $10. Lace Fern, $5. Baby Primrose, $2.50. 2 new Salvias, $8. Tropæolum Phœbe $3. The Edelweiss, soon to blooom, $6. Myosotis Sutton's Gems in bud, 3 colors, white, blue, pink, $4 per 100. The Hardy Chinese Begonia, sweet scented pink flowers, leaves olive and red; 8 by 10 inches!! grand. $6 per 100. New Begonia Gracilis, finest pink bedder, $6 per 100. Japan Morning Glory Seed, finest strain, $1 per lb., 10c per oz. Not less than 25 of any kind at 100 rates.

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Seeds.

Nasturtium. Tom Thumb, mixed, per ¼ lb., 15c; per lb., 40c; per 100 lbs., $35.00.

Nasturtiums, tall mixed, per ¼ lb. 15c; per lb, 35c; per 100 lbs., $30.

Aster. Semple's True Branching Mixed, per ¼ oz., 20c; per oz., 50c; per lb., $5.

Aster. Semple's True Branching, white, red and shell pink, per ¼ oz., 20c; per oz., 75c.

Aster, Queen of the Market, the earliest of Asters, white, crimson, blue and red in separate colors, per ¼ oz., 15c; per oz., 50c.

Bulbs.

Begonias, single tuberous rooted, pink, crimson and yellow in separate colors, 30c per doz., $2 per 100; $18.00 per 1000.

Lilium Auratum, 7-9, in fine condition, $4.50 per 100.

Lilium Spec. Rubrum, 7-9, $4.50 per 100.

Lilium Spec. Album, 7 9, $5.75 per 100.

Oxalis summer flowering mixed, 7c per dozen, 25c per 100, $1 50 per 1000.

Tuberoses, No. 1, Double Pearl, choice bulbs, 75c per 100; $6 per 1000.

Tuberoses, No. 2, Double Pearl, 35c per 100; $2.50 per 1000.

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ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1 50	$4.00
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GRADED { 1 to 5 pounds, 6 to 10 pounds,

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Primula Sinensis, Rolker's large-flowering, ¼ oz. $3.50; packet 25c.; best English mixture, packet 50c. **Cineraria** hybr. grandifl., choicest English, packet 50c. **Cyclamen** splendens grandifl., 500 seeds $2 50; separate colors, 100 seeds 60c.; best English mixture, packet $1.00. **Asparagus Sprengerii,** 1000 seeds $6.50; 100 seeds 75c. **Pansy,** Rolker's Giants, ¼ oz. $1.25; packet 25c.: Trimardeau, ¼ oz. 75c.; packet 25c. **Other seeds** see general Trade list, mailed free.

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Order now your Bulbs while you can make money with

Paper White Narcissus Grandiflora,

EXTRA, $4 00 per 1000,

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PEARL TUBEROSE BULBS, 4-6-in., $5 50 per 1000. **FREESIA REFRACTA ALBA,** Extra select French, $6 00 per 1000.

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Special List of Varieties Suitable for Cut Flowers.

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	Per doz.	Per 100
Achillea The Pearl, 2¼-inch pots	$0.60	$4.00
Anthemis Tinctoria, 2¼-inch pots	.60	4.00
" " Kelwayi, 2¼-inch pots	.60	4.00
Anemone Japonica Alba, 2¼ inch pots	.60	4.00
" " Elegans, 2¼-inch pots	.60	4.00
" " Lady Ardilaun, 2¼-inch pots	.60	4.00
" " Whirlwind 2¼-inch pots	.60	4.00
" " Queen Charlotte, new, 2¼-in. pots,	1.25	10.00
Boltonia Asteroides, strong divisions	.75	6.00
" Latisquama " "	.75	6.00
Caryopteris Mastacanthus, 2¼-inch pots	.60	4.00
Ceanothus Gloire de Plantieres, 3-inch pots	2.50	20.00
Clematis Recta, two-year-old	1.50	12.00
Coreopsis Lanceolata, strong clumps	.75	6.00
" " Grandiflora, strong clumps	.75	6.00
Delphinium Chinensis, one-year-old	.75	6.00
" Formosum, " " "	.75	6.00
" Sulphureum, two-year-old	2.00	15.00
" Belladona, 3 inch pots	2.00	15.00
" Frau Emma Metzger, 2½-inch pots	2.50	20.00
" Wilkie Collins, 2¼-inch pots	2.50	20.00
Doronicum Austriacum, strong plants	1.00	8.00
" Caucasicum, " "	1.50	12.00
" Excelsum, " "	1.25	10.00
Eupatorium Coelestinum, strong divisions	.75	6.00
Gaillardia Grandiflora, 3-inch pots	.75	6.00
" " 4 "	1.00	8.00
Gypsophila Paniculata, strong one-year-old	.75	6.00
Helenium Autumnale Superbum, strong divisions	1.00	8.00
" Grandicephalum Striatum, strong divisions,	.75	6.00
" Pumilum, strong divisions	1.25	10.00

DELPHINIUM.

	Per doz.	Per 100
Helianthus Multiflorus fl. pl., strong divisions	$0.75	$6.00
" " Maximus strong divisions	.75	6.00
" Maximilliana, strong divisions	.75	6.00
" Rigidus, strong divisions	.75	6.00
Heliopsis Pitcherianus strong divisions	.75	6.00
" Scaber, strong divisions	.75	6.00
" " Major, new, 2¼-inch pots	1.00	8.00
Heuchera Sanguinea, 3-inch pots	1.25	10.00
" Alba 3 inch pots	1.00	8.00
Hollyhocks, Dreer's Superb Double: strong clumps. White, pink, salmon, yellow, bright red, maroon	1.25	10.00
Choice Mixture, strong clumps	1.00	8.00
Hollyhocks Allegheny, mixed, strong clumps	1.25	10.00
Hypericum Moserianum, two-year-old plants	1.00	8.00
Iris Kæmpferi, 24 finest named varieties, strong	1.50	10.00
" " choicest mixture	1.00	8.00
Incarvillea Delavayi, new	4.00	
Lychnis Vespertina Alba Plena, strong clumps	2.00	15.00
" Chalcedonica, fl. pl., strong 3-inch pots	1.50	12.00
" Viscaria Splendens, strong clumps	1.25	10.00
Physostegia Virginica, strong divisions	.75	6.00
" " Alba, strong divisions	.75	6.00
Platycodon Japonicum, fl. pl., strong clumps	1.00	8.00
Platycodon Mariesi, strong clumps	$0.75	$6.00
Primula Veris, English Cowslip	.75	6.00
Pyrethrum Hybridum, choice mixed seedlings, clumps	1.00	8.00
" " " " " 3-inch pots	75	6.00
" Uliginosum, strong divisions	1.00	8.00
Ranunculus Acris, fl. pl., strong divisions	.75	6.00
Phlox, The Pearl, fine white, 2¼-inch pots	75	5.00
" 25 finest varieties in cultivation, 2¼-inch pots	.75	5.00
Rudbeckia Golden Glow, large clumps	1.25	10.00
" " " strong divisions	50	3.00
" Newmanni, " "	.75	6.00
" Purpurea, " "	1.00	8.00
Scabiosa Caucasica Blue, 3 inch pots	1.25	10.00
" " Alba, 3 "	1.25	10.00
Statice Latifolia, one-year-old plants	.25	10.00
Tritoma Uvaria Grandiflora, clumps	1.50	12.00
" " " strong divisions	.75	6.00
" Pfitzeri, new, strong divisions	1.50	10.00
Veronica Longifolia Subsessilis, clumps	2.00	15.00
" " " 2¼-inch pots	.75	5.00
" Spicata, strong divisions	1.00	8.00
" " Alba, strong divisions	1.00	8.00

GENERAL COLLECTION OF PERENNIALS.

	Per doz.	Per 100
Achillea Filipendula, strong divisions	$0.75	$6.00
" Millefolium Roseum, strong divisions	.60	4.00
Aquilegia Chrysantha, 3-inch pots	.75	5.00
" " clumps	1.00	6.00
" " Alba, 3-inch pots	.75	6.00
Arabis Alpina, strong divisions	.75	6.00
Arenaria Balearica, strong	.75	6.00
Asclepias Tuberosa, strong	.75	6.00
Anemone Pennsylvanica, 3-inch pots	.75	6.00
Armeria Maritima, 2¼-inch pots	.60	4.00
" " Alba, 2¼-inch	.60	4.00
Asters, 12 choice varieties.	1.00	8.00
Bocconia Cordata, strong divisions	.75	6.00
Campanula Abietafolia, strong divisions	.75	6.00
" Persicifolia, 2¼ inch pots	.60	4.00
" Pyramidalis, 2¼ "	.75	6.00
Digitalis, (Fox Glove) strong	1.00	8.00
Erigeron Purpureum, strong divisions	1.50	12.00
Funkia Coerulea, " "	.60	4.00
" Alba, " "	1.00	8.00
" Variegata, " "	.75	6.00
Geranium Sanguineum " "	1.00	8.00
Geum Coccineum, fl. pl., 3-inch pots	1.25	10.00
Hemerocallis Dumortieri	1.00	8.00
" Fulva	.50	4.00
" Flava	.50	4.00
" Kwanso fl. pl.	.75	5.00
Lysimachia Clethroides, strong plants	.75	6.00
Lythrum Roseum Superbum 3-inch pots	.75	6.00
Mertensia Virginica, 4-inch pots	1.00	8.00
Monarda Didyma Rosea, clumps	.75	6.00
" Fistulosa Alba, "	.75	6.00
Pardanthus Sinensis strong divisions	.50	3.00
Papaver Orientalis, strong roots	.75	6.00
Penstemon Barbatus Torreyii, strong divisions	$1.00	$8.00
" Coerulea, " "	1.25	10.00
Phlox Subulata Alba	.75	5.00
" Atropurpurea	.75	6.00
" Lilacina	.75	6.00
" Nelsoni	.75	6.00
" Rosea	.75	5.00
" The Bride	.75	5.00
" Amœna	.75	6.00
" Divaricata Canadensis	.75	6.00
Pinks, Hardy Garden, clumps in 6 varieties	.75	6.00
Primula Cortusoides Sieboldii, 3 varieties	1.00	8.00
Spiraea Aruncus, strong	1.00	8.00
" Filipendula fl. pl., strong	.75	6.00
" Japonica, strong	.50	4.00
" Chinensis, "	2.50	20.00
" Palmata, "	1.25	10.00
" Venusta, "	2.00	15.00
" Ulmaria, "	1.00	8.00
Stokesia Cyanea, 2½-inch pots	1.25	10.00
Symphytum Asperrimum Aureo-Var., 3-inch pots	1.25	10.00
Thalictrum Aquilegifolium, strong	1.25	10.00
" " Atropurpureum, strong	1.25	10.00
Thermopsis Caroliniana, strong	1.00	8.00
Thymus Montanus Albus, divisions	1.00	8.00
" Vulgaris Coccinea, "	1.00	8.00
" Serphyllum Aureum, 2¼-in pots	.60	4.00
Tradescantia Virginica, strong	.75	6.00
Tricyrtis Hirta Nigra, 3-inch pots	1.00	8.00
Trollius Europæus	1.00	8.00
Veronica Incana, strong divisions	1.50	12.00
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	100	1000
Clematis Paniculata, field grown		
No. 1	$8.00	$70.00
X size	10.00	80.00
Hydrangea P. G., 2 to 3 feet	9.00	
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Ampelopsis Veitchii field grown.	100	1000		100	1000
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No. 1	$6.00	$50.00	X size	8.00	75.00
No. 2	5.00	45.00	XX size	9.00	85.00

Roses, Felicite Perpetue 100, $5.00
Francois Levet ...... " 6.00
150 varieties in 3 and 4-in pots " 10.00
Box Tree, 6 to 12 inches 1000, 10.00

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AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; O. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

S. F. McCLANE has purchased S. S. Zeigler's interest in the Owatonna Nursery Co.

JACKSON & PERKINS CO., of Newark, N. Y., was the successful bidder for three out of ten separate lists, each comprising some particular line of trees, shrubs, plants or bulbs required by the Pan-American Exposition. The three lists for which the orders were awarded to Jackson & Perkins Co. consisted of climbing vines, trailing vines for covering ground, and hedge plants.

Washington.

TRADE HOLDS UP WELL.—SPRING LATE BUT SHRUBS AND TREES ARE BLOOMING.—JOTTINGS.

Trade is keeping up in good shape with some of the florists and prices are fair. This has been a very backward spring. The magnolias are about two weeks late but are blooming very finely now. The flowering peaches are beautiful this year. The market people are bringing in their bedding plants and are making quite a show.

The Washington Floral Co., F. W. Bolgiano, Wm. Crawford, and the American Rose Company all had a large Easter trade in plants and cut flowers.

A. Gude & Bro. are cutting a quantity of fine American Beauty, Golden Gate, Kaiserins, Bride and Bridesmaid roses. Wm. F. Gude is quite busy as chairman of the decoration committee for the entertainment of the Mystic Shriners, who meet here May 22 and 23.

J. H. Small & Sons had the decoration for the recent Westinghouse dinner and dance. The house was decorated with palms and spring flowers in general. On the tables were vases filled with growing strawberries in fruit. The mantels and walls had the appearance of an orchard in full bloom. P. G.

Geo. A. Kuhl
PEKIN, ILL.
23 Greenhouses. . .
60,000 Feet of Glass.

We offer to the trade over 35,000 young Roses, following varieties: Am. Beauties Perles, Wootons, Meteors, Brides, Maids, Belle Siebrecht, Golden Gate We believe in shifting young Roses often. All stock offered in 2-½ in. pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established. Send 50c or $1 for samples and prices.

COLEUS.
Golden Bedder, Yellow Queen, Verschaffeltii and mixed.

GERANIUMS.
12 to 15,000 best bedding vars. in 3 and 4-in. pots.

Fine lot of
HELIOTROPE, SALVIAS, DOUBLE PETUNIAS, In 4-inch pots.

CANNAS.
Six varieties, fine plants, in 4-in. pots.

Hanging baskets of
SPRENGERII and BOSTON FERNS.
PANSIES by the thousands.

In fact, we have a large lot of mixed stuff in small pots. Write and tell us what you want and we will try and fill your order.

GEO. A. KUHL.

CRIMSON RAMBLER, extra strong,
3 year old Budded stock, 4 ft. canes..... } Doz., $ 3.00
3 year old Own roots stock, 4 ft. canes.. } 100, 20.00
2 year old Budded stock, 3 ft. canes..... Doz., $2.00 100, $15.00

DORMANT ROSES

Kaiserin A. Victoria, 2 year budded....100, $15.00
Mad. Caroline Testout, 2 year budded... " 15.00
Hermosa, extra strong Holland grown 2 year Own roots.....100, $13.00

ALL ON OWN ROOTS, AT $13.00 PER 100:
Gen. Jacq. John Hopper. Magna Charta.
Ulrich Brunner Mad. G. Luizet.

LOW BUDDED STOCK, EXTRA FINE TOPS AND ROOTS, PER 100, $11.00:

Baroness Rothschild.	Mad. G. Luizet.	Malmaison.	La France.
Gloire Lyonnaise.	Mrs. John Laing.	Fisher Holmes.	Coquette des Alpes.
Marie Baumann	Prince C. de Rohan.	John Hopper.	Giant of Battles.
Paul Neyron.	Capt. Christy.	Mad. Chas. Wood.	Gen. Washington.
Boule de Neige.	Magna Charta	Perle des Blanches.	Marshall P. Wilder.
Ulrich Brunner.	Gen. Jacq.		

Clematis, Hydrangeas, Ampelopsis Veitchii, Pæonies, Etc., in large quantities. Send for prices.

14 BARCLAY STREET, NEW YORK. **VAUGHAN'S SEED STORE,** 84 & 86 RANDOLPH STREET, CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

NURSERYMEN Write for Sample and Price of.....

==Manetti==

FOR IMMEDIATE DELIVERY. FINE STOCK.

HARRY A. BUNYARD, 42 W. 28th St., New York City

OAKS 10,000 Pin, Scarlet, Red, White Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.
Please mention the American Florist when writing.

NEW SHELLBARK--HICKORY NUT,
"Hornor's Special."
RARE EVERGREEN TREES
200 000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.
CHAS. B. HORNOR & SON, Mt. Holly, N. J.
Please mention the American Florist when writing.

NEW ROSES ....

GRUSS AN TEPLITZ, an exceedingly healthy, strong growing forcing rose, similar to Liberty, but a stronger grower
MAD. RENE GERARD, the improved Mad. Capucine. Fine stock. Write for prices.
BOSTON FERN, strong 2½-in., $5.00 per 100.
THE CONARD & JONES CO., West Grove, Pa.

Roses Extra Strong stock from 2½-inch pots.
Splendid assortment of hardy sorts.
Send for price list.
JACKSON & PERKINS CO., NEWARK, NEW YORK

GLADIOLI FOR SALE.
All colors mixed, at $10.00 per 1000 Gandavensis hybrids, Lemoinei hybrids and Nanceianus hybrids.
PRIMULA AURICULA, in great variety; 2 and 3 year old, large flowering plants, $3.00 per dozen.
C. LONG, 277 Jefferson Avenue, ROCHESTER, N. Y.
Please mention the American Florist when writing.

FRUIT and ORNAMENTAL **TREES**
SHRUBS
VINES
AND **ROSES**
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., GENEVA, N. Y.
Please mention the American Florist when writing.

THE FOLLOWING STOCK IN FINE, WELL-DEVELOPED SPECIMENS FOR IMMEDIATE EFFECT:

90 Crab, pink flowering fragrant, 5 to 7 ft.	15c
60 Dogwood, white flowering, 7 to 9 ft.	25c
50 " paniculata 4 to 6 ft.	10c
80 Tulip Poplar, 6 to 8 ft.	20c
50 Walnut, white, 6 to 8 ft.	15c
40 Willow, laurel-leaved, 8 to 10 ft	20c
Akebia Quinata, field plants	$10 per 100
Spiraea Van Houttei, 2½ to 3½ ft.	$6 per 100
Catalpa Seedlings, 1 to 2 ft.	$2.50 per 1000

T. S. TEAS, SALEM, OHIO.
Please mention the American Florist when writing.

SURPLUS STOCK OF **Dracaena Indivisa**
From 2½-inch pots, strong plants, $4.00 per 100; 3½-inch pots, $7.50 per 100; 4½-inch pots, $12.00 per 100. Cash with order.
E. NAGEL & CO,
818 Nic Ave. MINNEAPOLIS, MINN.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.
Hardy Herbaceous Perennials our Specialty.
Send for price list. NORWOOD NURSERIES,
Rea Brothers. NORWOOD, MASS.

Bay Trees

STANDARDS AND PYRAMIDS

The Largest Importation Ever Offered in America

Every Tree a specimen, specially selected for critical buyers. Unexcelled for piazza and lawn adornment, at figures that are convincing.

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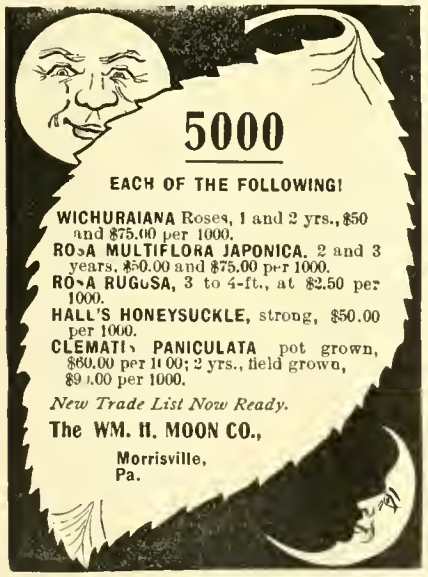
Palms and Orchids

THE BEST COMMERCIAL FLORISTS' VARIETIES.

Julius Roehrs

Carlton Hill, New Jersey.



5000

EACH OF THE FOLLOWING!

WICHURAIANA Roses, 1 and 2 yrs., $50 and $75.00 per 1000.
ROSA MULTIFLORA JAPONICA. 2 and 3 years, $50.00 and $75.00 per 1000.
ROSA RUGOSA, 3 to 4-ft., at $2.50 per 1000.
HALL'S HONEYSUCKLE, strong, $50.00 per 1000.
CLEMATIS PANICULATA pot grown, $60.00 per 1000; 2 yrs., field grown, $9.00 per 1000.

New Trade List Now Ready.

The WM. H. MOON CO.,
Morrisville, Pa.

HARDY ROSES

Strong two-year-old plants, in all the best varieties.

Hollyhocks, Phlox, Paeonies, Pyrethrums, Pansies, Specialties.

SEND FOR CATALOGUE.

M. H. WALSH
Gardener to the late Mr. Jos. S. Fay. Woods Holl, Mass.

FINE ROSES

We offer the following surplus stock of Roses from 4-in. pots, all healthy and wintered in cold houses, at $12 per hundred: Maman Cochet, Kaiserin Augusta, Perle des Jardins, The Bride, Marie Guiliot, President Carnot Clothilde Soupert, Marechal Niel, Golden Gate, Marie Van Houtte, and other good kinds. Also from open ground, 2 years strong at annexed prices. Gloire Lyonnaise, 3 to 4 ft. at $12 per hundred. Yellow Rambler and Setigera at $8. The new and valuable Eugene Jardine at $10, and Climbing Hermosa at $12.

Hoopes, Bro. & Thomas, Maple Ave. Nurseries, West Chester, Pa.

Please mention the American Florist when writing.

COLEUS.

Crimson Verschaffeltii, Golden Bedder and Golden Queen, 75c per 100 $6.00 per 1000 Coleus in variety, 60c per 100; $5.00 per 1000 Special price on large orders.

Ageratum, blue and white	$ 60 per 100
Ageratum Princess Pauline	75 "
Giant Sweet Alyssum	.60 "
Heliotropes, 12 varieties	1 00 "
Heliotropes 2 inch pots	2.00 "
Salvias Splendens and Bedman	1 00 "

Rooted cuttings except where noted. Plants by the 100 by mail prepaid Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.

CYCLAMEN SEEDLINGS. Dreer's Giant Strain, transplanted, strong seedlings, $2.50 per hundred.

CASH PLEASE.

HENRY EICHHOLZ, Waynesboro, Pa.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

Florists and Seedsmen

It will pay you well to send me list of your wants and get my prices before placing your orders for

Dutch Bulbs

for delivery in the early autumn.

HYACINTHS, TULIPS, NARCISSUS, FREESIAS, CROCUS, SPIRÆAS, LILIUM LANCIFOLIUM, Etc., Etc.

All Bulbs carefully grown and guaranteed first-class and true. No auction stuff or trash. Correspondence solicited.

GEORGE E. DICKINSON,
No 1 Broadway, NEW YORK, N. Y.

Also Nursery and Fruit Stocks of every description.

The Merits of

"Armstrong's Everblooming Tuberose"

Can be proven by growing some of them this season. They should be planted soon. Order some bulbs from

LUTHER ARMSTRONG, Kirkwood, Mo.

GIVE US YOUR ORDER FOR Asparagus Sprengerii

All Asparagus is good, but Asparagus Sprengerii is the best.

We send post free through U. S. A., 1000 Seeds of Asparagus Sprengerii for $3. Cash with order.

GROENEWEGEN & CO., Wholesale Seed Growers, Amsterdam, Holland.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

Last Friday evening the Chicago bowlers rolled the last of the games which are to determine the make-up of the team which is to meet St. Louis, who are expected up on May 6. The six leaders in the order of their averages for the series are Asmus, 173; Geo. Stollery, 166; F. Stollery, 164; Balluff, 163; Winterson, 159; Hauswirth, 152. Following are Friday night's scores and averages:

Player	1st	2d	3d	4th	Av
Fred. Stollery	158	170	147	232	177
Geo. Stollery	170	148	208	177	176
E. F. Winterson	152	177	168	178	169
Geo. Asmus	159	147	146	220	168
Savage	158	181	156	162	164
John Degnan	134	173	164	138	152
Chas. Hughes	124	119	168	158	142
P. J. Hauswirth	151	133	133	145	141
Chas. Balluff	120	159	151	131	140
Walter Kreitling	113	105	146	105	118

At Denver.

The following score was made on the evening of April 17:

Player	1st	2d	3d	Av
Philip Scott	199	212	231	214
John Berry	183	182	155	173
Ed. Mauff	165	166	131	154
Ed Emerick	172	163	124	153
A. M. Lewis	166	140	122	142
Geo. Zimmer	110	119	141	120

Only two bowlers showed up for the roll on Tuesday night A glance at the scores will make you think that they are "padded," but they are not and were legitimately made. I think they eclipse anything ever published in a trade paper. But to set your minds at ease I will say that the alleys are regulation length but are six inches narrower than they should be.

Player	1st	2d	3d	Av
Phil. Scott	224	234	280	246
John Berry	161	221	183	188

P. S.

At New York.

Just a dozen owners of sporting blood put in an appearance at the bowling alleys on Monday evening, April 23. Apparently the fatigues of the Easter campaign were still felt, for an easy, quiet atmosphere prevailed instead of the customary boisterous hilarity of the youthful sports who make up this eminent organization. The scores made were as follows:

Player	1st	2d	3d	4th	5th
Siebrecht	133	110	128	110	133
Burns	145	146	123	160	133
Traendly	146	126	147	134	151
Von Asche	124	105	128	111	118
Stewart	101	101	140	139	114
Thielmann		155	160	191	141
Lang		163	175	139	153
Donlan		176	139	166	133
O'Mara				145	155
Moody				117	105
Allen				118	99
McMahon				74	83

With Philadelphia Gunners.

The first shoot of a series for the Westcott trophy was held by the Florists' Gun Club on its grounds at Wissinoming on April 24. The shooting conditions were somewhat different from the ordinary, and proved harder than usual for the men. The conditions were: Fifteen targets, known angles; fifteen targets, unknown angles, and ten pairs of doubles. The targets were thrown low and fast, making big scores impossible.

Name	K'n.	U'k'n.	D'b's.	H'd'c'p.	Tl.
Harris	9	14	11	15	49
Dorp	12	9	11	15	47
Colemau	12	13	12	9	46
Barrett	11	13	11	11	46
McKaraher	12	7	6	18	43
Anderson	10	14	10	9	43
Westcott	9	10	5	17	41
Park	11	6	14	9	40
Bell	9	9	10	11	39
Webster	11	4	5	18	38
Hamel	10	11	8	..	29
Wilcox	8	11	9	..	28
Wilson	9	7	10	..	26
Snow	8	5	12	..	25
Sheeler	7	9	5	..	21
Klouder	7	8	4	..	19

K.

BRANT & NOE

Forest Glen,
CHICAGO, ILL.

WHOLESALE GROWERS
OF ROSES

Roses Carefully Graded. Quality and Prices Right.
Packing Free. TRY US.

For seven years we have shipped direct from our greenhouses to retail florists and held the same customers. Stock only once packed, shipped evening of day they are cut and arrive next morning in following and intermediate cities: Minneapolis, St. Paul, Omaha, St. Louis, Cincinnati, Indianapolis, Cleveland, Detroit, Pittsburg, Buffalo.

Buyers thus save twenty-four hours' first freshness.

To the Trade.

WALTER RETZER & CO.

Desire to announce that they have purchased the entire plant, business and stock, consisting of over 170,000 Palms, Ficus and Boston Ferns, from Albert Fuchs, 2045-59 Clarendon Ave. Our stock is unsurpassed and our Palms were the only ones awarded a medal at the World's Columbian Exposition west of New York.

We shall aim to so conduct our business as to warrant your continued patronage. We want your trade. Please write to us in regard to your needs.

City as well as outside orders receive prompt attention.

WALTER RETZER & CO., WHOLESALE PALM GROWERS.

Tel. Lake View 214. 2045-59 Clarendon Ave., CHICAGO.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

American Beauty, long	per doz. $3.00 to $4.50
" " medium	" 2.00 to 2.50
" " short	" 1.00 to 1.50
	Per 100
Bride, Maid, Meteor	$ 4.00 to $ 7.00
Perles	2.00 to 5.00
Carnations, fancy	2.00 to 4.00
" common	1.50 to 2.00
Callas and Harrisii	8.00 to 12.50
Smilax	20.00
Adiantum	.60 to .75

CALL ON US IF YOU HAVE ANYTHING TO SELL.

MONEY ON DEMAND.

We pay all shippers every Monday. Don't let anyone owe you. Ship to us and get the market price and the cash each week.

BEST STOCK ALWAYS SHIPPED UNLESS OTHERWISE ORDERED.

KENNICOTT BROS. CO., 42-44 East Randolph St., CHICAGO.

Without a Flaw

Are the stately specimen yews, retinosporas, cypresses, aucubas and box trees offered by us this spring at our regular plant auction sales. They are undoubtedly the most perfect lot of these decorative evergreens ever imported to this country. Get a move on and come and examine them. Introduce them to your customers for hall, piazza and driveway decoration. There's money in it for every florist.

The next sales are on Tuesday, May 1st and Friday, May 4th, at 9:30 A. M., when, besides the above mentioned goods, we shall sell a grand selection of first-class, low-budded hardy roses and general line of deciduous ornamental trees, shrubs and climbers. Send for catalogue.

N. F. McCARTHY & CO.,

84 Hawley Street. BOSTON, MASS.

GRAFTED ROSES,

American Beauty, Kaiserin, Golden Gate, $10 per 100.

OWN ROOTS, FROM GRAFTED STOCK.

Golden Gate, Kaiserin, Meteor, strong stock ready for 3½-in. pots, $4 per 100, $35 per 1000.

S. J. REUTER, Westerly, R. I.

ROSES.

A No. 1 stock.

	Per 100	Per 1000
BRIDES, 2½-inch	$3.50	$30.00
BRIDESMAIDS, 2½-inch	3.50	30.00
PERLES, 2½-inch	3.50	

CASH WITH ORDER.

JOHN MUNO, Rogers Park, Chicago.

ROSES

Robust and Healthy.

2¼-in. pots, $4.00 per 100; $35.00 per 1000. BRIDES, MAIDS, METEORS, PERLES. Cash.

GEO. E. FANCOURT, - Wilkesbarre, Pa.

GRAFTED KAISERIN AND CARNOT

GILT-EDGE STOCK.

☞ Plant NOW for summer bloom.

ROBERT SIMPSON, Clifton, N. J.

Please mention the American Florist when writing.

Roses

Bride, Bridesmaid, Perle, Sunset, Golden Gate and Kaiserin.

HUNTSMAN & CO., Cincinnati.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3 00 a 100, $25.00 a 1000.

J. B. HEISS,

The Exotic Nurseries. DAYTON, O.

PERLE ROSES

2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

LIBERTY

ORDERS RECEIVED NOW FOR APRIL AND MAY DELIVERY....

GRAFTED ROSES. Kaiserin now ready to ship. Orders booked for Brides and Bridesmaids. Prices on application.

AMERICAN BEAUTY, own roots, 2½-inch pots, $6.00 per 100; $50.00 per 1000.

ROBERT SCOTT & SON, SHARON HILL, DEL. CO., PA.

ROSE PLANTS

From 2½-in. Pots.

	Per 100	Per 1000
THE BRIDE	$3.00	$25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00

THESE are clean, strong plants, fully up to the character of the stock we have sent out in previous years. All stock is guaranteed, all orders are carefully filled and well packed.

J. A. BUDLONG,

37-39 Randolph St., ...CHICAGO.

La Crosse, Wis.

The florists of this city met at Association Hall on the evening of April 19. Three papers were read. C. E. Schafer told how to grow roses, J. E Hauser discussed annuals and John Van Loon told of vegetables and flowers for a city garden. After the programme was finished George H. Timmings moved that a permanent organization be perfected. All were in favor of the motion and officers were then elected as follows: President, C. E. Schafer; vice-president, John Van Loon; secretary, John E Hauser. A committee composed of Messrs. John Hauser, George Timmings and Mrs. A. Guillaume was appointed to draft a constitution and by-laws and report at the next meeting, to be held May 24.

CANTON, O.—J. B. Zettler, who was shot in the hip while chasing burglars last October, has so far recovered as to be about on crutches.

BERKELEY, CAL.—John Cook, in conjunction with his two brothers, has brought suit to set aside the will of Annie Albrecht and to have declared void certain deeds to a cousin. The estate is valued at $20,000.

Ethel Crocker

30,000 plants from soil for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50 100 for $10.00; 250 for $18.75; 000 for $75 00.

PANSIES Freya and Fairy Queen.

Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIAS.

Adonis, carmine with pure white throat, and Snowball, a pure white; they are always in bloom and a good plant for retail. 25 of each for $1.00 or $2.00 per 100. from 2-inch pots.

ALBERT M. HERR, Lancaster, Pa.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1 25	$10 00
Scott	1.25	10 00
McGowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

THE BEST CARNATIONS.

	Per 100	Per 1000
White Cloud, the best white	$3.00	$25.00
Mrs. Joost, best clear pink	3.00	25.00
G. H. Crane, best new scarlet	6.00	50.00
Gen'l Maceo, best dark crimson	6.00	50.00
Mrs. Bradt, best variegated	4 00	35.00

12 Novelties of 1900. 27 the best Standard varieties. ☞ Send for complete list.

GEO. HANCOCK & SON, Grand Haven, Mich.

Carnation Cuttings!

	Per 100	Per 1000
TRIUMPH	$1.50	$12 50
GOLD NUGGET	2.00	15.00
FLORA HILL	1 25	10.00
ARGYLE	$1.25	$10.00
McGOWAN	75	5.00
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50

AMERICAN BEAUTY ROSE BUSHES

Lifted from benches, cut back to 2 feet.....Per 100, $2.50; per 1000, $20.00

PLANTS FROM 2½-INCH POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
MAID	3.00	25.00
BRIDE	3 00	25.00
PERLE	$3.00	$25.00
LA FRANCE	3.50	30.00
KAISERIN	4.00	35.00

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

ROSES FOR SUMMER PLANTING.

Now is the time to secure A1 Stock to grow on for next season.

LIBERTY, the new crimson; stock limited. On own roots, from 2½-inch pots, $25.00 per 100. Grafted stock, " " " $40.00 "

LADY DOROTHEA, new, buff color; ADMIRAL DEWEY, " blush " } 2-inch, $10.00 per 100.

HYBRID TEAS.

AMERICAN BEAUTY, 2-inch, $7.00 per 100, $65.00 per 1000.

KAISERIN AUGUSTA VICTORIA, LA FRANCE, MME. CAROLINE TESTOUT, METEOR, MRS. ROBERT GARRETT, SOUVENIR DE WOOTTON, selected stock, $5.00 per 100, $45.00 per 1000.

TEAS, standard varieties.

BRIDESMAID BON SILENE, CATHERINE MERMET, MME. HOSTE, NIPHETOS, MRS. PIERPONT MORGAN, PAPA GONTIER, PERLE DES JARDINS, SUNSET, THE BRIDE, selected stock from 2-inch pots, $5.00 per 100, $45.00 per 1000.

ROSES FOR SUMMER BEDDING, CLIMBERS, ETC.

JOHN N. MAY, Summit, N. J.

KENNICOTT BROS. CO.

CALL ON US IF YOU HAVE ANYTHING TO SELL.

Money on Demand. We pay all shippers every Monday Don't let anyone owe you. Ship to us and get the market price and the cash each week.

42 and 44 E. Randolph St., CHICAGO, ILL.

Wholesale Commission Florists.

WE HAVE OUR USUAL FINE STOCK OF

American Beauty Plants.

JOHN BURTON, Wyndmoor, Philadelphia, Pa.

60,000 WINTER FLOWERING ROSES

Grafted and on their Own Roots.

SEND FOR PRICES. | J. L. DILLON, Bloomsburg, Pa.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Boston Fern A SPECIALTY

Ready now, cut from bench for 6 and 7-in. pots, $4.50 and $6 00 per dozen, very fine. Small plants, $5 per 100; $40 per 1000. Orders booked for June delivery. 100,000 BEDDING PLANTS, very fine.

Geraniums all kinds; Coleus, Alternanthera, etc., etc. Send for list. Rooted cuttings Coleus.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Great Clearing Sale

SURPLUS STOCK
ROOTED CARNATION CUTTINGS

			Per 100	Per 1000
11,000	MRS. JOOST	from soil	$2.00	$15.00
2,000	GOLD NUGGET	" "	2.00	15.00
750	ARGYLE	" "	1.50	
100	T DAL WAVE	" "	1 50	
5,500	MRS. JAS DEAN	" "	2 00	15.00
4,500	JOHN YOUNG	" "	2.00	15 00
2,000	EVELINA	from soil	$1 00	$10.00
500	MELBA	" "	2.00	
10,000	G. H. CRANE	" sand	4.00	40.00
4,000	G. H. CRANE	" soil	5.00	45 00
4,000	CHICAGO	" "	6 00	60.00
6,000	GENEVIEVE LORD	" "	10.00	75.00

CHICAGO CARNATION CO., JOLIET, ILL.

CARNATIONS FROM SOIL

All the New and Leading Varieties.
STRICTLY FIRST CLASS. WRITE US FOR PRICES.

ROSES, from 2½-in. pots. 100 1000

Beauties	$6.00	$50.00	Maids	$4.00 $35.00
Brides	4.00	35.00	Perles	4.00 35.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

Guaranteed strictly first-class stock and free from disease. Cash discount on 1000 lots. 500 at 1000 rates; 50 at 100 rates.

CARNATIONS.

Strong, Well-Rooted Cuttings. Select Stock.

	Per 100	Per 1000
G. H. Crane	$6.00	$50 00
Morning Glory	6.00	50 00
Gen Maceo	6.00	50 00
Glacier	6 00	50 00
America	5 00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40 00
White Cloud	4 00	30.00
Mary Wood	3.00	25.00
Mrs. F. Joost	3 00	25.00

And other standard sorts.

F. DORNER & SONS CO., LAFAYETTE, IND.

Please mention the American Florist when writing.

Perpetual Blooming HYBRID CARNATIONS

Crossings between Marguerite and Remontant.

They are what we can recommend as truly summer flowering varieties. They begin to bloom in the field in July and continue until frost sets in. Flowers medium size, growth very rapid. Can offer them in 10 varieties in as many colors, well established plants, at $5.00 per 100, by express, or the set of 10 varieties R. C. for 50c by mail.

ETHEL CROCKER, the best pink Carnation, well established plants from 2½-inch pots, $10.00 per 100. Rooted Cuttings, $8.00 per 100.

C. EISELE,
11th and Jefferson Sts., Philadelphia, Pa.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F Joost, pink	2 50
The Marquis, pink	10 00	Triumph, fine pink	1.50
Genevieve Lord, pink	10 00	Daybreak, shell pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H Crane, scarlet	5.50	White Cloud	3.50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3 50	Jubilee, scarlet	1 50
Mrs G Bradt, var.	5.00	Wm. Scott, pink	1.00
Glacier, white, fine	4.00	Lizzie McGowan	1.00

Gen. Maceo, best crimson.....$5 00 per 100
Mrs. Jas Dean, fine pink..... 3 00 per 100
Nephrolepis Cordata Compacta, 2½ inch, $4 00 per 100, 8 and 10 inch, fine, $12.00 per doz
Cash please. CARL HAGENBURGER, West Mentor, O.

GENEVIEVE LORD

The ideal pink carnation. Strictly speaking, a commercial variety, yet size and exhibition qualities are not lacking. The color is that happy shade called by the ladies "just right." Its stem is unequalled by any carnation. It is a prodigious grower and the most remarkable producer of high grade blooms we have ever grown. An easy, rapid grower; makes large plants from late cuttings. We can promise prompt delivery after April 10th. Stock for delivery prior to that date all sold. Cuttings positively free from rust and in other respects very hard to duplicate.

Price: Doz., $2; 100. $10; 1000. $75.

Our catatalogue is now ready, giving complete description of above, also all of the other big new ones at introducers' prices. Also coup ete list of standard varieties, all the best new and standard chrysanthemums. Catalogue sent for the asking.

H. WEBER & SONS,
OAKLAND, MD.

Please mention the American Florist when writing.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

☞ Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000		100	1000
G. H. Crane	$6.00	$50.00	Flora Hill	$2.50	$20.00
General Gomez	5.00	40.00	America	6.00	50.00
General Maceo	5.00	40.00	Melba	5.00	40.00
Mrs. Frances Joost	3.00	25.00	Maud Adams	5.00	40.00
Mrs. G. M. Bradt	5.00	40.00	Gold Nugget	3.00	25.00
White Cloud	3.00	25.00	Jubilee	3.00	20.00
Glacier	6.00	50.00	Daybreak	2.00	18.00
Cerise Queen	3.00	25.00	Tidal Wave	2.00	15.00
Mrs. Jas. Dean	3.00	25.00	Lizzie McGowan	1.50	12.00

SURPLUS—1000 single white and pink PRIMROSES, strong, 3-inch pots, @ $2.50 per 100, while they last.

CHICAGO **VAUGHAN'S SEED STORE** NEW YORK

When writing mention American Florist.

Grand Rapids, Mich.

Easter was a record breaker. As Alfred Hannah remarked, when asked how he liked Easter trade, "We don't want it any better." It was a plant Easter and the lily was "it," followed by the ever-popular azalea. There were plenty of good hydrangeas, American Beauties, and Ramblers in pots, which sold on sight but such stock as spiræas in variety, rhododendrons, Azalea mollis and cinerarias are no longer wanted. Cut flowers sold out clean and in carnations there was a famine. The bulk of the trade was done on Saturday, making deliveries run into midnight. Instead of simply doing a big business, the trade was overwhelmed by an avalanche.

Crabb & Hunter rented a vacant store down town and ran a special plant sale, which was very successful.

Wm. Scott, of Vaughan's Seed Store and L. Van Leeuween were recent visitors. G. F. C.

MADISON, N. J.—Jas. Dunlavey, formerly with J. J. Foley, will engage in rose growing on Hillside avenue June 1.

GLENBROOK, CONN.—The greenhouses formerly occupied by Mr. Philpot have been purchased by D. D. Moore and will be removed to his place at Noroton Heights.

WARSAW, IND.—Thomas Lewis, florist at Lakeside and Winona Parks, lost his sight some time ago and the calamity has preyed upon him until his mind has given way.

CHRYSANTHEMUMS

Bessie Burton	Mrs. John J. Glessner
Bonnaffon	Modesto
Cullingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. O. P. Baseett
Ivory	Niveus
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J. C. Whilldin
Miss Minnie Wanamaker	

And others from 2½ in. pots, $2 per 100, $15 per 1000.

HARDY POMPON CHRYSANTHEMUMS

In 10 named varieties, 2½-in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100 $7.50 per 1000. "Cash with order"

R. VINCENT JR. & SON, White Marsh, Md.

For Summer Flowers.

Marguerite Carnation, (white); **Corn Flower,** (lilac and blue); **Gaillardia,** (single); **Poppies,** (oriental). The above at $4.00 per 100.

Cannas, started plants, Paul Bruant, Chas. Henderson, Queen Charlotte, Florence Vaughan and Egandale, (bronze) at $6.00 per 100. **Geraniums,** mixed varieties, strong plants from 4-inch pots, $7.00 per 100. **Violet Clumps,** California and Farquhar, $10.00 per 100. **Pres Carnot Rose,** 500 2½ and 3-inch pots, $4.00 and $6.00 per 100. **Am. Beauty Roses,** strong 3-inch pots, $6.00 per 100, $55.00 per 1000. **Cash or satisfactory reference.**

ROBERT F. TESSON, West Forest Park, St. Louis.

PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at **$2.00 PER 100** and up.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

CALIFORNIA VIOLETS.

STRONG DIVIDED PLANTS, 60 cts. per hundred; $5.00 per thousand.

Umbrella Plants.

STRONG, 5-inch.....$12.50 per hundred.

W. W. Thompson & Sons, Milwaukee, Wis.

PETUNIAS, DOUBLE FRINGED

From 2 inch pots	Per 100, $2.00
GERANIUMS, mixed, 2-inch..	" 2.50
COBÆA SCANDENS, 2-inch..	" 2.00

E. I. RAWLINGS, QUAKERTOWN, PA.

KENNICOTT BROS. CO.

CALL ON US IF YOU HAVE ANYTHING TO SELL.

Money on Demand. We pay all shippers every Monday. Don't let anyone owe you. Ship to us and get the market price and the cash each week.

42 and 44 E. Randolph St., CHICAGO, ILL.

Wholesale Commission Florists.

VINCA MAJOR VARIEGATA

From 2¼-in. Pots, strong, ready to shift,
$3.00 per 100.

GREVILLEA ROBUSTA

Very fine stock, from 2½-in. pots. A bargain.
$3.00 per 100.

Nathan Smith & Son, Adrian, Mich.

Mention the American Florist when writing

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...OF... **ARECA LUTESCENS, KENTIA BELMOREANA, PHOENIX RUPICOLA.**

VIOLETS Now is the time to order Rooted Cuttings, A1 stock, free from disease; Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales.

Chrysanthemums Rooted Cuttings of Ivory, Maj. Bonnaffon, Bergmann, Robinson, Etc., at a bargain for 10 days only; $2 per 100, $15 per 1000. Write for catalogue.

CRABB & HUNTER, Grand Rapids, Mich.

NEW GERANIUM DEWEY

A GRAND NOVELTY.

Color bright crimson; dwarf, compact grower, profuse bloomer, good foliage, very attractive.

4-inch pots	35c	each,	$3.50 per doz.
3 " "	25c	"	2.50 "
2½ " "	15c	"	1.50 "

CARL RAUTH, Springfield, Ill.

Please mention the American Florist when writing.

WANTED!

250 GERANIUMS Beaute Poitevine, 2 1-2 inch.

VAUGHAN'S SEED STORE,
84-86 Randolph St., CHICAGO.

DAHLIAS A1 Classes

50 PRIZES IN 1899

CATALOGUE FREE. Largest variety in America. Divided roots, carefully selected, in assortments of 10 to 20 varieties, $5 per 100, $40 per 1000.

H. F. BURT, Taunton, Mass.

VIOLETS. A few thousand rooted cuttings of Marie Louise, Farquhar, Lady Campbell, Swanley White. This stock all free from disease. $6.00 per 1000. Cash with order. **ELI CROSS, Grand Rapids, Mich.**

Fine, Stocky Plants.

	Per 100
Alternanthera, yellow, $1.50, red	$1 75
Oxalis Floribunda, fine for vases	1.50
Double Petunia, 3-in. pots	3.75
Coleus, good asst. 2x 2½-in. pots	2.00
GERANIUMS 12 vars., fine plants, 2½-in. pots	2.75
" " " 3 in. pots..	3.75
Centaurea Gymnocarpa, 2-in. pots	2.00
Vinca Vines, 2 var	3.00
Asparagus Sprengeri, May 15th	3.50
Smilax, 2-in. pot, May 15th.....1000, $8.00	1.00
Pansy Plants in bloom	1.50

—CASH PLEASE—

JOS. H. CUNNINGHAM
DELAWARE, O.

FINE 2-INCH STOCK.

	Per 100	Per 1000
Alternanthera, 3 varieties	$1 50	$14.00
Lobelia, trailing blue	1.50	
Fuchsias, mixed	1.50	
Vinca variegata	1.50	
Ageratum, blue	1 25	
Begonia Metallica	2.25	
Coleus, Golden Bedder, Verschaffeltii	1.50	15.00
Mixed Coleus	1.35	12.50

ROOTED CUTTINGS.

Golden Bedder and Verschaffeltii Coleus, 60 cts.: per 100; $5.50 per 1000.
Fisher Carnations, 75 cts. per 100.

R. I. HART, Hackettstown, N. J.

NEW DAHLIAS.

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

Please mention the American Florist when writing.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....
$2.00 Per Year. Sample Copies Free.
Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. **CHICAGO.**

Violets MARIE LOUISE and FARQUHAR Runners.

Some rooted, some not rooted; good, strong, clean stock, right from the clumps. No disease. No black fly. $5.00 per 1000. Cash with order.

JOSEPH MARKLE, Rhinebeck, N. Y.

American Florist Advertisements Work Every Day.

New Double Begonia

(Begonia Semperflorens).

Largest Stock IN THE Country

BOULE DE NEIGE (white).
GLOIRE DU MONTET (dark pink)
NANCY (light pink)
TRIOMPHE DE LORRAINE (crimson)

Good strong plants. Good house plants. Good bedder.

4 Plants, $1.00; 100 plants, $20.00
25 Plants at 100 rate.

WALTER H. MURDOCK, 49 Crigg St., Cambridge, Mass.

GERANIUMS.

AMERICA—out of 4-inch pots, strong; grandest Geranium under the sun. 50 cts. each; $5 00 per dozen; $25.00 per hundred.

MARS—2½-inch, strong, fine plants, standard border Geranium. $4.00 per hundred; $35.00 per thousand.

DRYDEN—2½-inch pots, strong plants, finest fancy bedder, will become a favorite standard when better known. $10.00 per hundred.

NOVELTY SET (15) of 1899, including one America, 2½-inch pots, greatest money value of the season. $2.00 per set.

Our stock is in the healthiest possible condition. ☞Cash please.

HENRY EICHHOLZ, Waynesboro, Pa.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY, double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta H, Philadelphia

EDWIN LONSDALE, Wyndmoor, Montgomery Co. PA

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

FORGET-ME-NOT, winter flowering, flats $1.50; 2¼-in. $2.00; 2½-in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100.
PARIS DAISY and **DOUBLE ALYSSUM,** R. C. $1.00; flats $1.50 per 100.
VARIEGATED VINCAS, flats, $1.50 **RUDBECKIA,** 3-in., strong, $3.00 per 100. Add 10c per 100 to price of R. C., 15c to price of plants from flats if to be sent by mail. Cash with order, please.
CHAS. S. DUTTON, 85 W. 12th St., Holland, Mich.

MY SPECIALTY.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship, a splendid stock of plants in four separate colors, from 2-inch pots, $4.00 per 100; $35.00 per 1000. From 2½-inch pots, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

PANSIES ..THE.. JENNINGS STRAIN

FINE, STOCKY PLANTS from cold frames, in bud and bloom, $1.50 per hundred; $13.00 per thousand.

SMALL PLANTS by mail 60 cts. per hundred. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
GROWER OF THE FINEST PANSIES.

BAY TREES

PYRAMIDS AND STANDARDS

A Grand Array of CHOICE SPECIMENS.

Write for prices.

BOBBINK & ATKINS,

RUTHERFORD, N. J.

CANNAS.

STARTED PLANTS.	Per 100
ALEMANNIA	$10.00
A. BOUVIER	6 00
AUSTRIA	6 00
BURBANK	6 00
CHAS HENDERSON	6.00
DWARF FLORENCE VAUGHAN	10.00
FLORENCE VAUGHAN	6.00
MLLE. BERAT	8.00
MME. CROZY	6 00
PARTHENOPE	8 00
SEC'Y CHABANNE	8.00

DORMANT ROOTS.	Per 100
MLLE. BERAT	$4.00
SEC'Y CHABANNE	4.00
BURBANK	3 00
AUSTRIA	2 00
MIXED BULBS	2.00

For other kinds started plants, both novelties and standards, write for prices.

14 BARCLAY STREET NEW YORK. **VAUGHANS' SEED STORE,** 84 & 86 RANDOLPH STREET. CHICAGO.
GREENHOUSES, WESTERN SPRINGS, ILL.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. **WAVERLEY, MASS.**

American Florist Advts.

Mean More Business.

Violet Plants

Healthy and Clean No Disease

ROOTED RUNNERS AND DIVIDED PLANTS

$7.00 per 1000

J. B. DEAMUD, 51 Wabash Ave. Chicago.

Please mention the American Florist when writing.

Orchids!

Arrived in perfect condition, a grand importation of CATTLEYA PERCIVALLIANA. Write for price lists of imported and established orchids.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

VIOLETS Marie Louise and Lady Campbell.

Rooted runners, first-class stock, free from disease. $1.00 per 100; $8.00 per 1000 Cash with order or C. O. D.

DAVIS & WEISS, Bloomsburg, Pa.

St. Paul.

STORY OF THE EASTER TRADE.—BUSINESS THE BEST ON RECORD.—STOCK GOOD AND GENERALLY PLENTIFUL.—GROWERS NOW BUSY WITH BEDDING PLANTS.

Perfect weather, choice stock, good prices and eager buyers combined to make the Easter of 1900 a memorable one with the craft here. Stock in general was good. Lilies were better than for several years, very little, if any, disease being noted. Azaleas, spiræas, hydrangeas and roses were all in good demand. Prices both retail and wholesale were well maintained without seeming exorbitant. L. L. May & Co., had an immense stock of lilies in perfect condition, shipping several thousands to Milwaukee and Chicago parties on Friday evening.

In the cut flower line everything sold well. Carnations were somewhat scarce but violets were very plentiful and sold well. Bulbous stock moved very slowly. American Beauty buyers were more abundant than ever before.

Now that Easter is over the growers are very busy preparing for the bedding plant trade. The weather has been very favorable and every twig is bursting with life and energy.

Liberty roses are making their appearance. R. C. Seeger is planting 500 and May & Co. 200. FELIX.

SHENANDOAH, PA. — Guy Payne, of Girardville, has opened a flower store in the Beddall building.

POUGHKEEPSIE, N. Y. — Murphy & Schaumburgh estimate their loss by the fire of April 8 as between $6,000 and $7,000.

COLEUS

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots $1.25 100.
ACERATUM, Blue and White, 75c per 100; 1¾ in., $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾-in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1.25 per 100.
HELIOTROPE, 6 varieties, named, $1.00 per 100; 1¾ in. pot $1 50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS $1.50 per 100; 2½-in. pots, $2 50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2 00 per 100.
VINCAS, $1.25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M. Fine plants.
The above are rooted cuttings, except when noted.
CASH MUST ACCOMPANY ALL ORDERS.
J. E. FELTHOUSEN, Schenectady, N. Y.

Aster Plants.

OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.
J. C. SCHMIDT, BRISTOL, PA.
Please mention the American Florist when writing.

BEGONIA INCARNATA An improved form of this valuable flowering plant for Christmas. Plants in 2-in. pots, $8.00 per 100
EDWIN LONSDALE, P. O. Address for the time being:
Money Order office same as heretofore, **Chestnut Hill (Sta. 11,) Phila., Pa**
WYNDMOOR, Montgomery Co., PA.

COLEUS. Golden Verschaffeltii, Scarlet Verschaffeltii, Golden Crown, 26 other varieties R. C., 70c per 100, $5.50 per 1000. Chrysanthemums, 35 or more varieties, $1 25 per 100, $10 per 1000 Verbenas, 60c per 100, $5 00 per 1000 Ageratums, White, Blue and Pauline, 70c per 100 Heliotrope, 15 named sorts, $1 per 100. Petunias, 30 vars., double, $1 25 per 100, $10 per 1000. Lantanas, $1 25 per 100. Alyssum double, $1 per 100. Salvias, $1 per 100. Begonias from 2½-in. pots, named, $3 50 per 100 Express prepaid on Rooted Cuttings. Send in your orders now.
S. D. BRANT, Clay Center, Kas.

NEW GERANIUMS

It is a good time to brighten up your collection by adding to it some of the recent introductions.

A set of six splendid New Double for $1.25
A set of six New Bruant for $1.25.
A set of four New Singles for 75c.

	Per 100
Geraniums, splendid assortment of best bedding varieties, $3.00 per 100, $25 00 per 1000.	
Acalypha Macafeeana	$ 5 00
Allamanda Williamsi	8 00
Begonia Rex	5 00
Begonia Manicata Aurea	5.00
Cobœa Scandens	4 00
Coleus in variety	2.50
Cannas, all leading varieties, strong started plants	4.00
Hibiscus Sinensis, 5 varieties	3.00
" " Peachblow	10.00
Hollyhocks, 4 separate colors	5.00
Lantanas, good assortment	3 00
Moon Vines, white and blue	Per 100 $3 00
Pinks, hardy garden	" 3.00
Salvia Splendens	" 2.50

ROSES

Liberty, the new crimson scarlet forcing Rose, strong 3 in. pots, $25.00 per 100.
Everblooming Roses—Large stock C. Soupert, Mosella, Champion of the World, Etoile de Lyon, Hermosa and 50 other best bedding varieties, $3.00 per 100, $25.00 per 1000.

	Per 100
Crimson Rambler	$ 3.00
M. Niel	2.50
Strong 2 yr. old Field Grown Roses.	
Hybrid Perpetuals in variety	$10.00
Hardy Climbers in variety	8.00
Crimson Rambler, very strong	15.00
Wichuraiana	6.00
Wichuraiana Hybrids	8.00

Rhododendrons, extra fine stock well set with buds, 15 to 18-in., $7 00; 18 to 24-in., $9.00; and 24 to 30-in., $12 per dozen.
Azalea Mollis, strong bushy plants, $35 per 100.

The Storrs & Harrison Co., Painesville, ...Ohio.

KENNICOTT BROS. CO.

CALL ON US IF YOU HAVE ANYTHING TO SELL.

Money on Demand. We pay all shippers every Monday. Don't let anyone owe you. Ship to us and get the market price and the cash each week.

42 and 44 E. Randolph St., CHICAGO, ILL.

Wholesale Commission Florists.

300,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 50c per 100; $5.00 per 1000; $45 per 10,000

NO RUST OR MILDEW.

PACKED LIGHT, AND SATISFACTION GUARANTEED. SEND FOR CIRCULAR.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

J. L. DILLON, Bloomsburg, Pa.

BEGONIA CALEDONIA

The White Lorraine

We are now booking orders for fall delivery.

Plants from 3½-in. pots,

$5.00 EACH.

R. & J. FARQUHAR & Co.
16 and 19 S. Market St.
BOSTON, MASS.

MAMMOTH VERBENAS, rooted cuttings, large, stocky plants coming in bud, just right for spring trade plenty of bright red and pink if wanted 50c per 100 $4 00 per 1 000 Potted plants in large bud, 2-in., $1 00 per 100. Write for sample and prices on larger quantities. Satisfaction guaranteed.
Samuel Whitton, 15-17 Gray Ave., Utica, N. Y.

DAHLIAS

Now Ready by the Thousands.

Do you want some fine novelties, or are the older, well-tested ones good enough? I have both. My dahlias have never failed to take the highest honors, national or local. Am also headquarters for Cannas, Gladioli, and Paeonies. Write for catalogue and price list.
W. W. WILMORE, Dahlia Specialist, Box 382. Denver, Colo.

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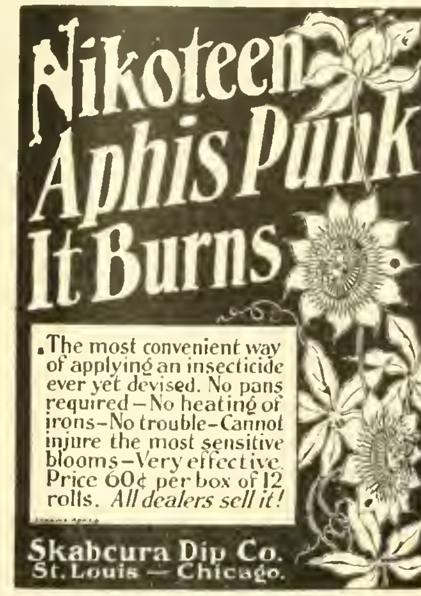

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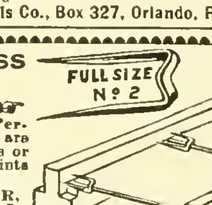

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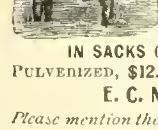

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It was with pleasure that we saw Thos. Pattison, of West Haven, in town last week, after reading his death notice in a contemporary recently. The false statement was caused by a local undertaker, who also sells flowers, sending his wagon to Mr. Pattison's greenhouses for some stock; the reporter jumped to a wrong conclusion. Mrs. Pattison reports having received a number of letters of sympathy from out-of-town friends.

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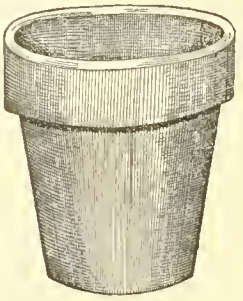

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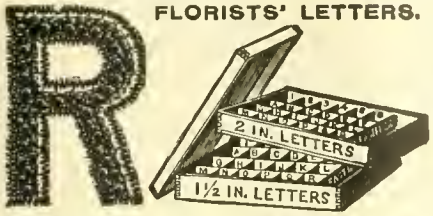

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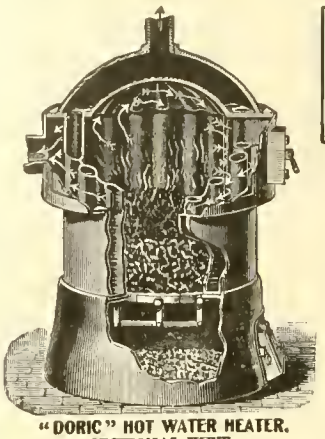

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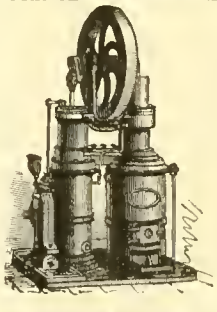

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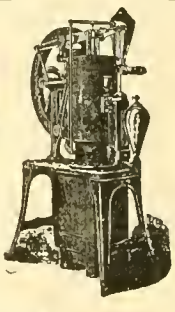

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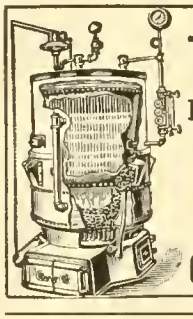

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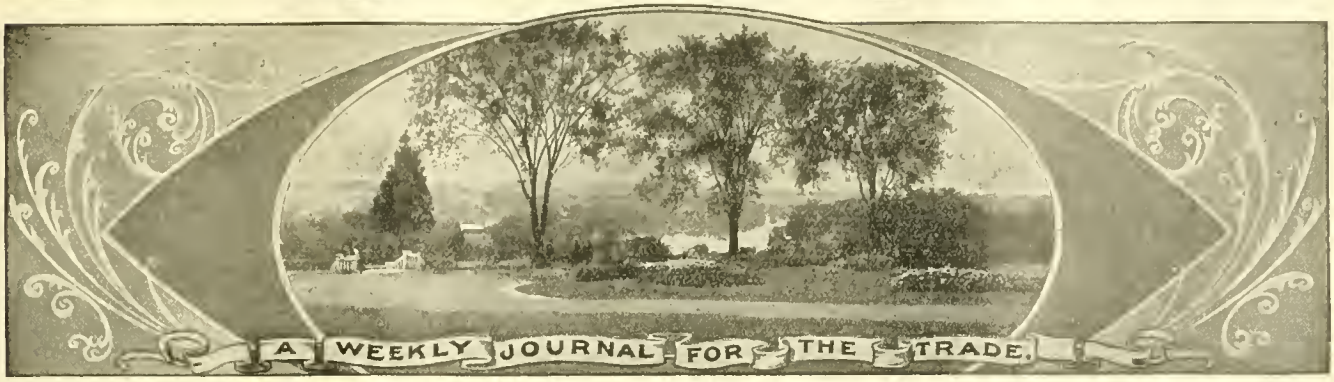

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Hardy Shrubs for Cut Blooms.

There are many times throughout the summer when florists are sorely tried to supply cut flowers. The houses are usually off crop, preparatory to the winter's campaign, and the usual run of outside flowers does not always give the desired variety.

There are a great number of hardy shrubs which would occupy but little space and which, pruned rightly, would furnish a good lot of material for cutting. Among these are many which could be of particular use to florists, because of the way the flowers are produced, and I venture to suggest a list which I think would be a good one.

Of those with white flowers I would name the white flowering almond, white flowered double peach, Chinese white magnolia, flowering crab, snowy mespilus, amelanchier; Clethra alnifolia, Exochorda grandiflora, Hydrangea paniculata grandiflora, mock orange, Pyrus arbutifolia, Spiræa Reevesii and S. Van Houtteii, Syringa Emodi and the Japanese snowball.

It may be said of this list that the magnolias are of but little use when fully opened, but cut in the half expanded state they last as long as such flowers are usually expected to. The flowers of the flowering crab, Pyrus coronaria, are exceedingly fragrant, on which account they are much esteemed. Clethra comes in late summer, as does the hydrangea Syringa Emodi is not a clear white, but it is a rare and beautiful kind, flowering, too, when other lilacs are well over. The Japanese snowball is the main flower the Grand Army posts of these parts rely on for Memorial day. Nearly always it is about in right condition at the close of May. The common snowball precedes it about one week, as does the plicatum variety, rotundifolium.

Of yellow sorts Cornus Mas and golden bell, forsythia, should be planted. Cornus Mas is the first noticeable shrub of spring. I am writing this on April 9, and Cornus Mas is in good display now, and will be fine for cutting for Easter. The flowers are not large but are well clustered along the stems, making a display which nothing else approaches. It needs to be well pruned as soon as the flowering is over, to get length of shoots for next year's flowering. The golden bell is very fine for cutting, and if not likely to expand in time the shoots may be placed in water indoors and will be in flower in a week or so.

Of shrubs with pink, rose and similar flowers, the following would be found useful: Double pink peach, double almond, double cherry, Magnolia Soulangeana, verbena shrub, caryopteris; Desmodium penduliflorum, Lonicera grandiflora, Prunus triloba, Ribes Gordonianum, Spiræa Bumalda, S. Billardi, S. Regeliana, S. callosa, common lilacs, Daphne cneorum and weigelias.

Long sprays of the double flowered almond, peach, cherry and plum are useful and beautiful. The verbena shrub has blue flowers which come in September, a month of scarcity of flowers in the shrubbery. Lonicera grandiflora is one of the Tartarian honeysuckles, and the best of the lot, its large, pink flowers making a good display. Spiræa Bumalda and S. callosa have flowers in flat heads, the others in panicles. The Daphne cneorum is the creeping, evergreen one. It likes almost pure sand to grow in. Given this and plenty of water, it will have some flowers on all summer long, and those familiar with it know how very fragrant it is.

All shrubs that bloom before late summer require a pretty good pruning as soon as the flowers are over. This ensues a crop of young shoots by fall, which are the ones we look to for flowering the next season.

Philadelphia. JOSEPH MEEHAN.

That Lord & Johnson Boiler Explosion.

ED. AM. FLORIST:—My attention has been attracted to an article in your journal, issue of March 31, page 1040, dealing with the Lord & Johnson boiler explosion. Having been actively engaged in the heating business for upward of twenty years, I was so much interested that I have taken pains to study the details given in prior issues of the paper, referred to in that article. I note also that some of your subscribers are anxious to have opinions as to the cause of the accident. To start with I consider it a gross exaggeration to speak of the fracture of cast iron sections as a boiler "explosion," although technically it comes within the definition as given by Webster, "a sudden bursting with noise." In imagination the public connects boiler explosions with the sudden release of a tremendous force, a terrible noise, flying metal and general disaster. In fact the rupture of the sections of a cast iron boiler does produce a noise, possibly a loud noise, but there is no flying metal, no danger; simply a great inconvenience, and generally quickly remedied.

Now, from all I can gather from the

reports, the great fault in the Lord & Johnson apparatus was the omission of vertical or swinging check valves on the main return pipe as well as on the main return from each separate house, while the steam mains were valved. The apparatus, to have been safe, should either have had the check valves, as stated, or the valves on the mains should have been omitted. Check valves on the returns should be used in preference to stop valves, if only one or the other is to be used, for the reason that then it would only be necessary to manipulate the main stop valves to control the different systems, the check valve working automatically as the steam valve was opened or closed.

I am of the opinion that the statement that no air valves were used is an error, for it is in evidence that there had been heat on the plant, and I have yet to learn how this could be had without first expelling the air; likewise the verdict of the experts that the water rushed out of the boiler through the steam valve, which was being slowly opened, while the gauge registered one pound pressure above the atmosphere; especially is this the case when the position of the main is considered, ten feet above the boiler. It would seem from the evidence that either the steam gauge or the water gauge were on a strike. If the lower cock on the water glass was turned off it would show a false water level, and if the boiler was empty or rather dry the steam may have registered one pound only. Now it is very much more likely that there was sufficient pressure to raise the water from the boiler into the coils, some of the stop valves on the returns breaking or being open, and that as soon as the valve on the main pipe was partially opened the pressure was equalized and the water, because of its greater specific gravity, sought its proper level, which, in this case, was the boiler, and cooled it so rapidly as to cause the castings to fracture, though, as often is the case, the castings may have been fractured during the heating process.

Your correspondent's statements about vacuum would not merit serious consideration were it not for the fact that he falls into a common error. Firstly there is no power in a vacuum. A vacuum is simply an empty space, devoid even of atmosphere. A vacuum gauge on the coils and one on the boiler would register the same. Fill a sealed pipe partially with water, attach a vacuum pump and exhaust the air, the water will rise only to the extent that it has been compressed by atmospheric pressure, 14.7 pounds. Fill an ordinary soup plate with water, take a tumbler, light a taper, put it in the tumbler, and, after expelling the air by the heat of the taper, invert the tumbler in the water in the soup plate and the water will raise in the tumbler to the extent that the air has been displaced by the heat. Is it the vacuum that causes it? No; it is caused by atmospheric pressure on the surface of the water on the outside of the tumbler. A dish large enough to cover the soup plate containing the water, treated in the same manner would not affect the water in the slightest degree beyond that due to removing the compression of the atmosphere.

We talk of pumping water. We do draw water through a suction pump, and the operation is as follows: The pump exhausts the air from the pump and pipe connected thereto; the pressure of the atmosphere exerted on the surface of the water forces it through the pipe and into the pump, and for this reason we can raise the column of water thirty-three feet, the equivalent of the atmospheric pressure, 14.7 pounds. To accomplish the theory of your correspondent there would have to be above the water line in the boiler an opening for the admission of air and consequent atmospheric pressure in order to force the water into the coils as he describes. We so often hear this great weakness of the cast iron boiler urged as a cardinal virtue that comment is unnecessary. Who ever heard of or has seen an exploded heating boiler of wrought iron? He should remember one of Lincoln's sayings, "You can fool all the people some of the time, etc." No, my friend, price is the only thing that recommends a cast iron boiler. I have made them for twenty years. D. F. MORGAN.

Some New Dahlias.

The greatest interest at present is in the newer types of cactus dahlias. The other sections offer a smaller field for improvement, owing to the large number which are practically perfection in their types. For a number of years the cactus dahlias have awakened great interest but unfortunately most of them were not adapted to American conditions. There are only a few cactus dahlias of American raisers, most being satisfied with testing the various varieties from Europe to secure the best stock to work on. The following are the very best from a careful test of over 200 of the new varieties:

From Germany comes undoubtedly the very finest yet produced in Aegir, a brilliant crimson scarlet of a deep rich shade. It is of large size, deep and with full, high center. The petals are twisted and curled and each petal is also incurved gracefully. The whole effect is a large, fluffy dahlia resembling an ideal Japanese chrysanthemum. It is a strong, vigorous, upright grower, a profuse bloomer and, unlike most cactus dahlias, a very early and continuous bloomer on long stems.

Austin Cannell.—This superb dahlia is also a good, free bloomer but, unlike the preceding variety, has long, pointed, closely quilled petals of a deep lake color.

Beatrice Martin. — White, delicately tinged soft pink; the petals are not long, but twisted in a very elegant and irregular manner.

Geo. Marlow.—A beautiful, soft straw, shading to salmon; a very free bloomer of perfect type

Henry F. Michell.—An American seedling of immense size; petals long, broad and twisted. The shades and tints blend harmoniously from yellow to deep orange red.

John H. Roach.—Of medium size, long pointed petals; the best soft yellow cactus dahlia to date.

Mrs. Montefiore.—A splendid, rich, glowing crimson scarlet; beautiful twisted form; throws its flowers well above the foliage.

Starfish.—Pure orange scarlet without shading. The very strongest grower and a free bloomer on long stems; flowers large with long, pointed petals.

Strohlein Krone.—This is another gem from Germany. Every petal is closely quilled in the most approved style. The flowers are large, full to the center, on long stems; a free bloomer.

The Queen.—A pure, snow white cactus dahlia with petals rather broader than some of the colored varieties but beautifully pointed and twisted; an elegant flower on long stems.

In decorative dahlias nothing new has equalled Clifford W. Bruton in yellow, Wm. Agnew in brilliant red, or Admiral Dewey, a brilliant imperial purple, and Xanthia, an immense flower six inches across, crimson maroon tipped brilliant plum.

Storm King (Blizzard) still ranks at the head of the show dahlias. It is the most profuse bloomer of any variety, pure white, full to the center, of perfect form and has long stems.

There is nothing particularly fine in fancy dahlias except Lady Arlington, deep maroon tipped white.

L. K. PEACOCK.

Begonia Semperflorens Mastodonte.

We are indebted to John Coulson, of Worcester, Mass., for the excellent photograph from which the accompanying engraving was prepared. This is another of Lemoine's products and Mr. Coulson states that it is a great addition to the winter-flowering section of the family. It is a robust grower with stout stems, petioles and peduncles. The flowers are of a beautiful rose tint and about two inches in diameter. With Mr. Coulson it has proved extremely floriferous and

J. R. FREEMAN'S STORE, WASHINGTON, D. C., AT EASTER.

very valuable for cutting. It has retained its attractiveness longer than B. Gloire de Lorraine, the two grown together in the same house, but not the Lorraines grown in a cooler house.

Notes on Newer Cannas.

The following cannas have proved exceptionally fine on our grounds during the past three or four years:

Black Prince (Duke × Mlle. Berat).—One of the most effective varieties; flowers often five to six inches across and petals sometimes two inches wide; color as dark or darker than Duke of Marlborough; an early and constant bloomer; foliage fine; plant vigorous; height five feet.

Philadelphia.—One of the brightest and cleanest varieties we have; the clear red of this variety is hard to improve on, but we now have seedlings from it of better constitution and keeping qualities; height two and one-half feet.

President Cleveland.—A good scarlet red variety of splendid constitution; very effective and free bloomer.

Triumph.—This is now taking its place as one of the best dwarf red bedding varieties; it is an early and free bloomer of good constitution.

Mt. Etna.—One of the finest and best red leaved varieties on our grounds; color Philadelphia red combined with large size, early and free blooming habit; height three feet.

Baltimore.—A fine large red canna; very free bloomer; good foliage.

George Washington.—This is one of the earliest flowering varieties in existence; color rich, velvety red; flowers very large, petals two inches broad; rounded form.

Pillar of Fire (Imp.)—This will prove one of the finest cannas for the center of circular beds; grows seven to eight feet high; color almost scarlet; spikes enormous and erect; flower larger and in other respects a decided improvement on the original.

Olympia (Duke × Mlle. Berat).—This variety is of a new shade difficult to describe, being a close approach to violet; it is one of the most pleasing and free blooming varieties in cultivation.

Rosemawr.—Color pink, petals often two inches wide; trusses enormous; one of the earliest and a continuous bloomer; height three feet.

Martha Washington.—The best all-around solid pink to date; flowers very large, produced on strong, erect stalks; height three feet.

Annie Laurie.—A lovely pink, with white throat; a great favorite with those who have tried it; height three and one-half feet.

Enchantress.—Another clear pink, little known; very free bloomer; height three and one half to four feet.

Maiden's Blush.—A soft shell pink; color difficult to duplicate.

Shenandoah.—A bronze-leaved variety and a new departure in this class; color pink; a very early bloomer.

Luray.—Color deep pink; plant very sturdy with good habit and constitution.

Gloriosa.—Dwarf; gilt edged; flowers large, richer in color than Queen Charlotte.

Augusta.—One of the largest gilt edged varieties; flowers often five inches or more across; free bloomer.

Conquerer.—The largest and most beautiful mottled variety in cultivation, in fact as near the perfection in cannas as could be desired; flowers very large; petals two inches broad, perfectly rounded; enormous erect stalks and fine foliage; height three feet.

BEGONIA MASTODONTE.

Queen Eleanor.—One of the best of the color of Florence Vaughan; flower as large; plant more dwarf.

Brilliant.—A fine yellow with a distinct red eye; good bedder; height four to five feet.

Buttercup.—The best all-around yellow on our grounds during the past three years; very enduring; will thrive under lower temperature than most varieties.

Orange Queen.—A variety little known; a good, pure orange; it will endure the sun better than California or Klondyke.

Alberta.—In this canna we have a combination of colors difficult to describe, a shade of rose-violet distinct from every other variety.

Dr. Nansen.—Pure yellow; good bloomer and self cleaner; dwarf.

Zephyr.—Dwarf pink; flowers large; free bloomer.

ANTOINE WINTZER.

More About Sports.

ED. AM. FLORIST:—I note what Elmer D Smith has to say in your issue of April 7 in regard to sports from Chrysanthemum Wm. H. Chadwick, and wish to say that one of my plants of this variety produced an odd bloom late last season. It was a stiff quilled flower about nine inches across and shaded prettily to pink. It was so very distinct that I cut it and put it on exhibition in my reception hall, where it remained for a couple of weeks in December. Not being partial to quilled varieties I made no effort to save any of the wood.

Among the new sorts I note one of Nathan Smith & Son, called White Bonnaffon. From the illustration I should judge this to be a misnomer; it should be White Maud Dean. The picture is a complete reproduction of a bloom I had on a plant of Maud Dean last season. My plants of this variety were grown to two blooms each and the plant in question produced one flower of the regulation pink and one a clear white, each having the beautiful satiny sheen which is characteristic of Maud Dean. Having been able to get cuttings of this white sport I shall this fall be able to determine whether or not it is a true sport, and if so whether or not it is desirable.

Every season some of my plants of Christmas Gift bear blooms containing petals of the pink of President Smith. This is the largest and handsomest of the late bloomers and it has a splendid stem. The form is similar, but an improvement upon that of Mrs. Robinson and in size it is a little larger than that variety at its best. But the color is a dull straw yellow. If this variety ever produces a bloom in color entirely the shade of por-

celain pink shown by these few petals we shall have one of the greatest hits on record. RUFUS W. SMITH.

ED. AM. FLORIST:—In regard to the discussion relating to the color and form of sports, I can say with some positiveness that the form of the sporting flower sometimes differs materially from the flower of the parent plant. I have in mind a Homer rose bush in a near-by garden, which was grown from a cutting several years ago. About two years ago it sent out a strong climbing sport half way up the bush. This sport has bloomed two seasons and the cuttings made from it have also bloomed. The flower bears no resemblance in color or form to the Homer. It is very large and very double, good in bud but at its best when full blown; creamy color, pinkish center; many of the buds are double centered and have most unusual keeping qualities, five to seven days in a living room. The buds, while good, are not of sufficient quality for cut flower purposes but the sport will probably become valuable as an out of door climber of a color and easy growth, which at present is lacking in our lists. If any one can recognize the parent by the sport, or vice versa, they will be doing well.

Sports often revert to the original or to some intermediate form and in this way I have experienced some keen disappointments. Summer before last, while walking in a deserted garden, I came across a giant bush of the old Gen. Grant geranium and, to my astonishment, one thrifty branch, which was well flowered, had leaves of normal size and shape (four to five inches in diameter) but with a beautiful white stripe three-fourths of an inch in width margining each leaf. Here surely was the king of fancy-leaved geraniums. Three months later when the fine cuttings were nicely rooted and growing in pots, the leaves had decreased to one-half the size, curled and blistered into a typical old Mountain of Snow. I have tried time and again to fix a double calla lily, but all the sports persist in going through life in "single blessedness." Plants that for years have borne nothing but double flowers reverted to the single form as soon as they were removed to a new location. My experiences in hybridizing, selection of sports, etc., has probably not differed widely from that of other laborers in the same field, few successes, many failures, evergreen faith in the future. EMORY E. SMITH.

EASTER VIEW IN STORE OF A. GUDE & BRO., WASHINGTON, D. C.

The Paeonia Westward.

I have watched the growth of pæonias here in Nebraska during the past twenty-five years, and have observed a notable progress. At first, of course, we had only the common kinds, but ten years ago I secured a lot of the finer sorts from T. C. Thurlow, the New England expert, and they seemed to do as well in Nebraska as anywhere. I have several times attended the great shows of the Massachussetts Horticultural Society in Boston, and became deeply interested in the pæonia. In November of 1898 I planted a considerable number of new sorts here. I feared for the roots after the awful winter, but last June, after being in the ground only six months, and cut rather close at that, I had blooms I would not have been ashamed to show in Boston.

I think Baroness Schrœder one of the finest and hardiest in my large collection. The flowers are great, fluffy globes of delicate white, fragrant and fairy-like, as though they would float away. These are the flowers for the west. We have quite a number of enthusiasts who are raising new kinds from the seed, and some are of real merit. The rose is called the queen of flowers, but all through the west and northwest they are too tender, and there have been such marvelous improvements in pæonias (we now have about 2,000 sorts) that the bloom is entitled to rank as the queen of flowers for the west.

The roots of pæonias are full of vitality and the plants are easy to handle; the most destructive hail, the terror of the west, will not kill them; they bloom in our rainy season and lie dormant in the dryness of August.

In Minnesota and the Dakotas pæonias are bound to be a success. By raising the beds, so the ice will not form on them, and covering with a few inches of manure, pæonias can be grown anywhere, in the west as well as in the east. Their culture has been neglected, but a new interest is being taken in them. We find that the season of bloom can be lengthened to nearly two months. Get the earliest, give them a sunny place, take the latest and plant them a foot deep and you have a fine and long succession.

C. S. HARRISON.

CARNATIONS.

MANURE AND GROUND BONE.

ED. AM FLORIST:—You will oblige by asking in your columns what proportions of manure and ground bone are used in the composition of soil for the cultivation of carnations under glass. B.

END OF THE SEASON TREATMENT.

A gentleman who is classed by some as the best grower of carnations in the east, visiting at my place recently, made the remark that he does not care for a carnation that blooms continuously, but prefers one that comes in crops, as he can handle such a carnation so as to have it in crop for Christmas, again for Easter and again for Memorial day. He consigns all of his stock to a commission house and finds that those occasions are the ones on which he is sure to get a good figure for his cut.

This grower keeps an accurate record of his cut for each month and his figures would be an eye opener as to the profits that can be derived from some popular varieties. Figuring from Mrs. Bradt as a small producer, it is surprising how close to the cut of Bradt many varieties come that are classed as free bloomers, and as before stated, this grower being one of the best in the east, his records are of some value for comparison and demonstrate the real cash value of some varieties that are supposed to be yielding a profit.

Most plants that have been kept in good condition all winter will give a good crop of flowers for Memorial day and, while the prices will naturally be low, the cost of keeping the stock in condition for the month of May is trifling. The colored varieties will be brighter if the houses are shaded, and in this section even the whites are all the better for shade. Shading, aside from holding the color of the flowers, keeps the houses from drying out so rapidly and makes less labor in the watering, which, always a necessity, is a double necessity now, for the plants should never be dry at the roots and time is well spent for a good syringing over the plants two or three times a week.

Ventilation can be left on constantly, day and night, as the vitality of the plants is kept up by the cool air of the nights. A thorough disbudding now will carry your crop for Memorial day and even a little fertilizer added to the soil about this time is, in many cases, a good investment. Even if the flowers bring but a dollar a hundred it is better to have them up to your standard of excellence than to have them in the third class for the last of the season.

ALBERT M. HERR.

Orchids at Rochester.

Under the management of the new superintendent the celebrated Kimball collection of orchids is still improving. The house of Cypripedium insigne was a great sight during November and for some months subsequently thousands of blooms covered the benches. Many of the plants showed from two to four dozen flowers. Interest centers on the pure yellow varieties, C. insigne Laura Kimball being the peer of all, showing no sign of spots in the dorsal, but Sander's variety is not less attractive for showing

traces of pale spots. A great many of the darkly maculated varieties are represented in the collection, most of them named sorts of the best types. At the beginning of February a few hundred Cypripedium Boxallii and C. villosum were in full bloom in another house, and among these were some very bright colored varieties which deserve special attention. Cattleya Trianæs are a feature of the collection and the dendrobiums have made tremendous growth during the past season. Lælia anceps was fully in bloom at the time of my visit, the whites being very prominent among them. A bench of Cœlogyne cristata looked decidedly promising, the young bulbs of enormous size and bristling with buds. Strict cleanliness is a feature of this place; all the plants are looked over carefully every now and then and scale or other troublesome insects are promptly destroyed. It is no small task to keep so extensive a collection clean and healthy when the plants are so closely crowded together in the comparatively small space of the ten houses.

The Kimball orchid houses, being open to the public all the year around, have been the means of cultivating a demand for orchid flowers in Rochester. People know what orchids are and appreciate their value. The modest collections started years ago at Salters', Schlegel's and Keller's have steadily grown, especially in those species which have proved useful and valuable for cutting and do not require special treatment. Cypripediums are among the easiest to grow and are therefore quite plentiful in their season. Salters' have some very fine C. insigne varieties of the dwarfest types in their collection. At Keller's the same types and the margined, dark-spotted varieties are quite numerous; there are also several yellows of fine form, which have not been named but are considered quite distinct. One dark-spotted variety, with very large flowers, prominent, broad, dorsal sepal which is fully half white, has two separate pouches overlapping each other and is a great curiosity, but pretty; every flower on the plant has showed this peculiarity for the last five or six years or since importation. Another plant imported at the same time always has two flowers on each stem; a good strong flower of Maulei type. Still another curiosity was found in the same lot, the pouch in this distinctly and regularly corrugated, while the dorsal is finely margined and blotched.

Other cypripediums grown for cutting purposes are C. barbatum, C. Boxallii, C. villosum, C. Lawrenceanum, C. Spicerianum, C. Sedeni and a few others. Cattleyas are next in number, principally varieties of C. labiata, C. Trianæ and C. Mossiæ, with a few C. Bowringeanas. Lælia anceps must also be mentioned as a good seller, especially in its lighter shades; it is easy to manage them. Several good pure whites may be found at Keller's. A few L. autumnalis and L. purpurata are also grown. Oncidium varicosum and O. tigrinum may be seen in all three places and cœlogynes are considered profitable and easy to control. Dendrobiums in variety are useful, either for cutting or as pot plants. For the latter purpose D. nobile is especially valuable and many of the very best types are grown as medium sized plants, but the scarce and valuable named varieties such as D. nobile Sanderiana, D. nobile Forstermannii, D. nobile giganteum, etc., are not offered in the stores. Vanda cœrulea is not plentiful enough for the existing demand, but pays better than all the rest.

Of course quite a number of other orchids are grown in all these collections, but for cut flower purposes those named are found most useful. No special houses are provided for them; in the palm houses or fern houses the cattleyas, lælias and oncidiums are suspended from the roof; for the cypripediums and cœlogynes places are found on the benches in any other house, and, although the plants may not always receive all the care necessary to obtain best results, they seldom fail to bloom abundantly in their season and have more than twice over paid for the first outlay and their subsequent care. It is not necessary to grow the best kinds. J. B. K.

JASMINUM NITIDUM.

Jasminum Nitidum.

The plant illustrated shows a new species introduced by Wm. Bull, of London, England, from the Admiralty Islands. It is said to be of slender growth, producing a profusion of deliciously scented snow-white flowers, borne in three-flowered umbels. The starry blooms are two inches in diameter; the leaves are deep green. In appearance it is exceedingly elegant and graceful, and it is recommended as a charming addition to warm house climbers.

A Queer Milwaukee Scheme.

A very strange move was made by a prominent florist here Easter week which is interesting for its originality, if nothing more. A letter has been sent to a large number of prominent flower buyers reading as follows:

"If it is not too much trouble for you, permit me to ask your aid in regard to my flower store at..... When Mr. ..... induced me to go into business with him he agreed to put in $1,500 as capital wherewith to carry on our business. Instead he put in only $1,000 and withdrew $300, leaving a working capital of $700, which is not sufficient capital to enable me to carry on my business. We have been handicapped on account of insufficient means, and I find that I cannot do justice to my patrons and myself. I need $500 to make it possible for me to continue my business. I cannot borrow money on my greenhouses, because they are already mortgaged.

"The question now confronts me—whether to give up this beautiful store or not? Will my patrons be willing to advance me from $10 to $50 each to enable me to raise the needed funds? I will give my notes for the amounts, bearing good interest, and I feel confident that, with the increased means at my command, I will be able to do a good business, which will result in our mutual benefit.

"Your kindness will be highly appreciated, and it will be my constant endeavor to meet your requirements in the floral line fully.

"Thanking you for past favors," etc.

C. B. W.

London.

THE SOUTH AFRICAN IMBROGLIO HAS ITS EFFECT ON TRADE.—MARGUERITES AND THEIR CULTURE.—SWEET PEAS IN FAVOR. THE CLEMATIS HAS ITS FRIENDS.—DEMAND FOR CRIMSON RAMBLERS.—FLOWERS OF HARDY SUBJECTS.—PELARGONIUMS AT CANNELLS'.—VARIOUS NOTES OF A CLOSE OBSERVER.

The war and other causes have had their effect on the florists' trade during the past few months, yet, considering all drawbacks, things have not been so bad as might have been expected. Cut flower trade has been dull and growers must have suffered in consequence of the supply exceeding the demand. Of pot plants ferns seem to be over-plentiful for I never saw so many in market at one time as we now get and they cannot be cleared at any price. Marguerites have been very good, and plentiful; these always find favor and deservedly so, for they cannot be equaled where a good display of white is desired, and they have the advantage of lasting well, without the aid of gum or much tying. The maggot is the greatest drawback to their successful culture, but this may be kept down by the regular use of kerosene. A wine

glass full to two gallons of water applied with a syringe about once a week or ten days will effectually check the progress of this troublesome pest. In applying the mixture care must be taken that it is kept well stirred. Sweet peas will undoubtedly be among the most popular flowers of the season. There appears every prospect of the show at the Crystal Palace being well supported and a very large display may be expected. And in addition to this great event, at many of the provincial shows good displays seem to be assured, in some instances special prizes being offered. Judging from the large demand for seeds, exhibitors should be very numerous.

There are few plants which make a better effect than do clematises; from one year-old plants to large specimens, they may be turned to good account. As one-year-old plants it is those of the patens type that are best for early flowering. I may refer to Mrs Quilter as being the best white; the flowers are of medium size, but are produced freely. Miss Bateman, Albert Victor and Sir Garnet Wolseley, are good examples of the type. Grown in the open and ripened off early in the autumn, they will require very little heat to start them early in the year, plenty of light being more essential than heat, and from early in March onwards they make a bright display.

There seems likely to be a great demand for Crimson Rambler roses again this season, orders coming in before the plants are ready for delivery. It is remarkable that few succeed well with this fine plant. The great secret, if any, is to have the wood well ripened early in the autumn. It may be grown on its own roots, or grafted on the Manetti stock, but it seems to utterly fail when worked on the seedling briar (or dog rose). Grown in pots under glass where they get the full benefit of the sun and then taken out in August and gradually dried off, they will make hard wood which rarely fails to produce an abundance of bloom when started early in the year. It is at Easter that they are most in demand but they will flower earlier.

W. Paul & Sons have made some fine displays with a number of double flowered varieties of the peach, almond, cherry and others. I noted the carnation-flowered and camellia-flowered as being the best of the peaches, but the double white was also fine. Cerasus pseudo-cerasus Watereri, and Pyrus Malus floribunda were prominent. All of this class of plants may be recommended. If well ripened in the autumn they are sure to flower well and give little trouble, and I believe they would be found valuable for decorations. There would be little difficulty in finding a good market for them if growers would take them up for the purpose.

At a recent meeting of the R. H. S. cyclamens were well shown. In the ordinary type the varieties were very fine, and it would be difficult to find more perfect examples of good culture. A large batch of plants with fimbriated flowers and leaves with fimbriated margins were a great feature. These may require some further improvement before they can be considered perfect, though some of the plants shown were very pretty. Various shades of color were represented. I may add that the above mentioned strain is quite distinct from the papilio varieties which have often been referred to.

I hear that J. Forbes, the fortunate possessor of Begonia Caledonia, the fine white sport from B. Gloire de Lorraine, is likely to have a good stock for distribution in the autumn, but he cannot be induced to part with a plant until the time appointed for its distribution.

When at Messrs. Cannells' the other day I saw a fine batch of the double white zonale pelargonium, Miss Ashworth, very pure, and the trusses of bloom though of medium size were produced in great profusion. A house full of single varieties were a mass of bright colors.

Deutzia Lemoinei I find forces well and is certainly an acquisition, being a great advance on D. gracilis and equally free.

Daffodils are now in full beauty and appear to be as much appreciated as ever. The cold weather has made those in the open rather later than usual. H.

New York.

MARKET SHOWS LITTLE IMPROVEMENT.—STOCKS VERY HEAVY AND PRICES LOW.—SOME LARGE WEDDING DECORATIONS.—OUTDOOR STOCK TAKES WELL.—VARIOUS DOINGS IN THE TRADE.

There is little to be said regarding the cut flower trade this week except that it has not improved materially since last report, and that the warm weather now prevailing has a very injurious effect on the roses. A good deal of mildewed stock is being received. The recent large weddings have not made any appreciable impression on the cut flower market, plants being used to a great extent and the quantity of flowers coming in being so great that the sale of a few thousand roses for these special occasions is not felt and means only a few thousands less for the Greeks. Prices are very low in any case, the high class buyers insisting on getting Greek figures on goods in quantity. Stumpp had the decoration for the Benedict wedding at Greenwich, Conn., and took a boat-load of plants over there. The Morton wedding at Grace church, a fine affair, was done by J. H. Troy, of the Rosary. Violets are making their final bow for the season Smilax is very scarce, lily of the valley is selling well and white sweet peas are in good demand. Outdoor lilac is arriving in large quantities and has a ready sale on the streets, hurting the market for roses and carnations. There are some very fine narcissi of the fancy varieties seen at the wholesalers. In fancy roses there are Brunner, Baroness and Mabel Morrison, but prices are moderate on all. The plant market is in full flower now, and in the early morning is a very busy place. The demand for geraniums is especially brisk and prices remunerative.

Herman Warendorff has engaged passage on the Phœnecia for June 23 and will make an extended trip through Europe. Herman Kuhn will sail on the Kaiser Wilhelm der Grosse on July 3, and many others are talking of going but find great difficulty in getting accommodations on account of the heavy outgoing traffic.

Joseph Fleischman is getting to be quite a real estate operator, his latest being the acquisition of 40 West Twenty-eighth street, the center of the wholesale flower trade, which he will turn into a modern office building with a store for the wholesale cut flower business on the ground floor.

E. R. Lucatos has just returned from Boston, where he had gone to negotiate a large sale of Greek antiquities. He thinks the Hub would be an ideal place in which to locate a "Columbus Avenue" flower store.

H. A. Bergmann has returned from the mountains and has resumed work with John Young at 51 West Twenty-eighth street greatly improved in health and spirits.

The absence of the customary list of failures after Easter this year would indicate either that the flower business is more prosperous or that credit is given more carefully than formerly.

Ambrose Cleary, recently with Cleary & Co., has taken a position as manager of the flower and plant department of Namm's department store. W. Blauvelt is now with Cleary & Co.

There are rumors of a new flower store to be opened on Fifth avenue by W. H. Beaumont, of Cleveland, and Klunder "the younger," with another partner whose name is not given.

Dunne & Co. have taken an additional store on West Thirtieth street for a show room.

F. L. Atkins, of Bobbink & Atkins, is laid up, suffering from a badly injured knee.

Visitors: Ernst Lunberg, Lenox, Mass; J. T. Butterworth, South Framingham, Mass.

Boston.

HEAVY STOCKS IN MARKET AND PRICES LOW.—EVERY LINE IN THE SAME GENERAL SITUATION.—SPRING OVERTAKES THE TREE PLANTERS.—VARIOUS NOTES OF PERSONAL DOINGS.

From the standpoint of the cut flower wholesaler the market is none too good at present. Prices are away down and a big lot of material has to be handled to realize a dollar or two of commission. The grower is more fortunate, as the increased product compensates somewhat for the reduced valuation. Roses are very plentiful and on large lots the price is practically whatever one can get. All bulbous stock is equally abundant, with sales few and difficult. Even lily of the valley is in too heavy supply. White carnations are selling fairly well but at prices that are tending steadily downward; colored varieties are rather difficult to dispose of and violets are poor in quality with insignificant sales, the trailing arbutus having taken their place in the affection of the wearers, for the moment.

Spring is advancing rapidly, too rapidly in fact for the nurseryman. Every warm day brings out a mass of green leaves and many trees and shrubs, such as prunuses, magnolias and forsythias are in full flower. It develops that the damage done during the past winter was less than had been supposed with many things, although other varieties, usually reliable, have suffered unexpected injury. Among the latter is Rosa Wichuraiana, which in many locations in the parks has been seriously hurt. The planting of Peter's Hill, the most recent addition to the Arnold Arboretum is going forward rapidly, a great many trees of various kinds, including 1100 white pines, having been set out. A plan of free distribution of trees to any citizen who desires to beautify his street frontage has been adopted in Boston this spring with good results. The trees thus distributed numbered 2000 and are all rock maples.

In his action against the Brookline Gas Co., for damage caused to plants by leakage of gas, Richard Welch has secured a verdict for $800.

A. P. Calder has given up his store on Boylston street and will hereafter confine

his business to his greenhouses on Canterbury road.

N. F. McCarthy is highly pleased over the attendance and prices realized at his plant auctions so far this season.

W. A. Twombly sailed last Wednesday on the steamer New England, expecting to inaugurate a flower stand on board.

Jackson Dawson's pretty seedling rose, Wm. C. Egan, is blooming finely at Prof. C. S. Sargent's.

Visitors: C. B. Weathered, New York; Jas. W. Begbie, representing Clucas & Boddington Co., New York.

Philadelphia.

MARKET HEAVILY OVER-STOCKED.—PRICES DOWN TO GREEK LEVEL.—GOOD STOCK AT LITTLE FIGURES.—PLANT TRADE AT ITS HEIGHT AND RATES UNREMUNERATIVE.—MAY MEETING OF THE CLUB—EASTER AND THE LILY.—AN IMPROVEMENT PREDICTED.

A bad case of over-production has suddenly developed. In spite of the great number of spring weddings and other seasonable events, the supply continues to pile up until there is scarcely room to move without cracking one's shins on the corners of the boxes that are piled about the floors of the commission houses. The fakirs are in their glory. There is not one of these gentry but is up to his ears in business, many of them carrying great bundles of Beauties over which they can scarcely be seen. They offer fine flowers three for 25 cents and less. Carnations in original bunches are sold for 25 cents per bunch and all other flowers at a like reduction. Average wholesale prices as revealed in the grower's returns, in the light of the above state of affairs, cannot be said to be very gratifying.

The weather is fine and the bedding plant men are working night and day to get their orders out. Prices rule low for this class of stock. Many of the growers say there is nothing in bedding plants at the prevailing figures, but they probably are like the boy who sold apples which cost him 2 cents each at three for a nickel, and said he got his profits out of the quantity he sold. Prices are $3 to $4 per hundred for all soft 2½-inch stock, while for 4 inch plants $7 to $8 is the figure. This includes the pots. Ampelopsis Veitchii is scarce, that is presentable plants. Some one should make a specialty of this plant and have it started in the house, as when clothed with foliage it looks so much more promising than in the dormant state.

The May meeting of the Florists' Club was not as largely attended as usual. In fact the president was not there, an unusual matter of record. Vice-president John Westcott, however, came to the rescue and everything passed off very pleasantly. Robert Craig's paper on "Experiences of the Past Easter" was read by his son, Wm. P. Craig, owing to his father's absence in New York. It proved to be a very well prepared essay. It was noted that the market seems to be easily over-stocked with extra size plants, as buyers for the specimens are few and far between. The best varieties of azaleas, spiræas, lilies and other plants for forcing were also touched upon. In the discussion which followed H. F. Michell said that great efforts are being made in Bermuda to improve the lily crop, and with gratifying success. Various scientific gentlemen connected with the English and American governments have been experimenting with various insecticides and believe they have the mite with the unpronouncable name under control. The farmers, too, are alive to the situation and are sorting and destroying the diseased bulbs, and also giving the growing stock more care and attention. He said that at the price to which the unsatisfactory bulbs have fallen there is no money in them for either the farmer or dealer. Now, with selected stock, grown in enriched soil, it is hoped to get back the former prestige of the flower. Mr. Michell said he had so much faith in next season's production that he had largely increased his order for Bermudas. He also spoke of efforts being made by the Japanese to hybridize their new dwarf, red-stemmed but large-flowered variety with taller-growing sorts, from which they hope to get a standard sort which will meet the requirements of the American market.

Wm. Munro has resigned his position as foreman for Myers & Samtman. The American Beauties from this establishment captured the first prizes in the New York and Philadelphia flower shows this spring, which speaks volumes for Mr. Munro's ability as a grower. K.

Chicago.

VERY HEAVY OVER-STOCK OF LOWER GRADES OF MATERIAL.—PRICES AVERAGE LOW BUT SHIPPING QUALITIES REMAIN FAIR—DEWEY DAY MAKES TROUBLE IN THE MARKET.—SOME TASTEFUL DECORATIONS.—POEHLMANNS TO EXTEND THEIR RANGE.—MUCH BUILDING NOW UNDER WAY.—VARIOUS NOTES OF LOCAL INTEREST.

Hardly since the memory of man runneth not to the contrary has this market been over-stocked to the extent which has prevailed for the past few days. One of the results of the week's experience has been that henceforth the local growers and wholesalers will wish to pay homage to Dewey at a distance. Monday was bad enough, but Tuesday, the second anniversary of the battle of Manila and the date of the big parade in the Admiral's honor, brought an utter stagnation, with the result that on Wednesday there were the receipts for two days to dispose of and prices tumbled to the lowest point recorded in ten months. But the accumulation was very generally disposed of, through the medium of the street salesmen, and since then a slightly better condition has prevailed. Some of the men best qualified to judge are of the opinion that never in the history of this market have the receipts been so heavy as during this week and all lines of stock have been in the same general position. There have been too many roses, most of them soft; too many carnations, most of them sleepy; too many lilies and callas, most of them good; too many violets, pansies, swainsonias, in fact too much of everything except first-class shipping stock of roses and carnations, of which there are not enough to fill orders. Smilax is not so scarce as a few days ago, not that the supply has increased, but that the demand has suddenly fallen off.

However, the week brought several of the leaders much work in the line of decorations, those most notable being upon the tables at which Admiral Dewey was entertained. Friedman did the plant decorations for the ball at the Auditorium on Monday night. Walter Retzer & Co. had the decorations for the breakfast at the Annex on Monday, the Central Floral Company those for the luncheon at the Union League on Tuesday and at the Athletic Club on Wednesday, and Hauswirth had the supper after the ball on Monday, when a table with twenty-two covers was decorated with Asparagus Sprengerii and Blanche Ferry sweet peas, making a most charming effect, but not better than that of the somewhat similar decoration put up at the Commercial Club's monthly dinner on Saturday night, in which Mr. Hauswirth used only asparagus and Bradt carnations, taking all the town could raise.

Walter Kreitling had an elaborate decoration, in the form of a train of cars for a dinner given at the Chicago Club by a number of railroad notables May 3. In the flower work on the cars white swainsonia was largely employed. Walter is a busy man these days, having been recently appointed superintendent of the landscape work on a large new summer resort in course of preparation by the Chicago, Milwaukee & St. Paul Railroad.

Poehlmann Bros. have had plans prepared for a range of three houses 306 feet long. The houses will stand sixteen feet apart, long span to the south and will be 20½ feet wide. Two of them will have 7½-foot lean-tos on the north side for propagating purposes and there will be a glass cross section for a gangway through the center. The plant is heated by hot water. August Poehlmann has not yet completed his plans for erecting a range of glass upon his own account.

Michael Winandy has his hands full of greenhouse building, his principal job being that of his neighbors, Wietor Bros., who have their new range under way. This is sixteen houses, 30x300, a total of 144,000 square feet.

Wm. S. Kenney, of the Jas. H. Rice Co., acted as secretary of the meeting at Atlantic City, N. J., April 25, at which the National Window Glass Jobbers' Association consummated its purchase, of the trust, of 1,100,000 boxes of window glass.

There seems to be no chance of a scarcity of ferns this year, for the southern product is already obtainable in this market, before the end of last season's eastern supply is in sight.

There is an account of Vaughan's establishment at Western Springs, Ill., with several illustrations of the cannas grown there, in *Moller's Deutsche Gartner Zeitung* of April 21.

Bargain day has been a regular thing this week with stores where they care to sell violets or pansies at a nickel a bunch.

Some of the down-town retailers have secured supplies of bedding plants and have no difficulty in selling a 4-inch geranium for 15 cents.

Wieland & Risch express themselves as well satisfied with the first month's business since opening down town.

At J. A. Budlong's, at Bowmanville, they are rushing work on their four new rose houses, 25x300.

J. S. Wilson, of Western Springs, Ill., who has been quite sick, is now around again much improved.

The first outdoor lily of the valley from southern Illinois, made its appearance May 2.

J. B. Deamud made a flying trip to the east during the week, returning May 4.

There are already inquiries as to when the pæonies will be in.

Visitors: John Bertermann, of Indianapolis, Ind.; Theodore Dorner, of Lafayette, Ind.; E. J. Markey, of Fort Wayne, Ind.; George H. Bancroft, of Cedar Falls, Iowa, W. J. Westphal, Davenport, Iowa.

ALLEGHENY, PA.—J. E. McGinniss has filed a petition in bankruptcy, scheduling liabilities of $5,815 and assets at $115.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

INDIANA florists who use natural gas as fuel find cause for felicitation in the decision of the U. S. Supreme Court sustaining the Indiana law to prevent the waste of gas.

PROMINENT growers state that those varieties of chrysanthemums which are inclined to come blind should not be planted on rich soil and that liquid fertilizer should be withheld until the buds are set.

SMILAX, treated like carnations, may be grown outdoors in summer successfully. Stock from two-inch pots should be planted in the field about May 15 and taken up about September 1. In this connection it may be remarked that smilax thus grown outdoors will stand from 5° to 10° of frost without injury.

THE National Window Glass Jobbers' Association on February 14 bought 600,000 boxes of the trust and on April 25 closed its option upon 500,000 boxes more at a priee for double strength greenhouse sizes eighty-nine per cent off the list, with a rebate of five per cent payable September 1.

OF much interest to mail order houses is the recommendation of the Postmaster General that Congress empower the Department to prepare and operate a plan whereby addressed envelopes may be sent out and the postage collected of the addressee upon their return. It has been customary with many houses to send to prospective buyers stamped return envelopes, a large proportion of which were never returned, thereby entailing a considerable loss.

Glazing Old Style House.

ED. AM. FLORIST:—I have a greenhouse built old style and the sash bars have no drip channel. The glass was lapped and puttied and I want to know whether I can butt my glass and have a cap made for the bars? Will the absence of channel in bars cause too much drip? If you advise lapping the glass, which is 14-inch, what is best to close the air spaces at the laps? SUBSCRIBER.

Caps can be made to fit the sash bars if desired, but under the circumstances I would advise lapping the glass. If the glass is butted, lay it with the curve down, and use, for each row of glass, panes of as near the same thickness as possible. Nothing should be used between the panes when the glass is lapped, but care should be taken that they fit closely. Bed the glass in putty but do not use putty over the panes. L. R. T.

Greenhouse Building.

Derry, N. H.—H. Smith, three forcing houses.

Fairhaven, Mass. — Riverside Cemetery, one plant house.

Mystic, Conn. — Alex. Young, one greenhouse.

Norwood, Pa. — Dr. Laughlin, one greenhouse.

Shiremanstown, Pa.—John F. Rupp, two houses.

Summit, N. J.—Lager & Hurrell, house 25x150.

Rochester, N. Y.—J. B. Keller Sons, house 25x150.

Holland, Mich.—J. A. Brown, range of houses.

Buffalo, N. Y.—C. F. Christensen, six houses 20x125.

Berlin, Conn.—Arthur Brandegee, one violet house.

Durham, N. H.—Hamilton Smith, three houses.

Newport, R. I.—Mrs. Wm. Astor, palm house 25x50. Miss Fannie Foster, two houses.

Patton, Pa.—J. W. Miller, four houses.

Beverly, Mass.—B. Larcom, Jr., one house.

Marlboro, Mass.—F. B. Gleason, one house.

Bondsville, Mass.—O. A. Parent, conservatory.

Yarmouthville, Me.—T. J. Brown, conservatory.

Doylestown, Pa.—John E. Andre, range of houses.

The Limit of Steam.

ED. AM. FLORIST:—As my land seems to call for long greenhouses, divided by partitions, I would like to know the practical limit of distance to which steam may be carried from the boilers? The ground is sloping and it would therefore be necessary to locate the boilers at the extreme east end of the range. W. S. H.

While it is desirable to have the boiler within a reasonable distance of the houses, if the circumstances make a long range necessary, the distance from the boiler need not be considered, provided the elevation is sufficient to give a free return of the condensed water. Of course allowance for the distance should be made, by using larger mains. L. R. T.

Wormy Soil.

ED. AM. FLORIST:—The soil which I wish to use for beds in my greenhouses is full of earth worms. How should the soil be treated so that I will not be troubled with the worms next season? J.

Earthworms can be driven out of the soil by applying lime water, one peck of fresh lime to fifty gallons of water. This can best be applied after the soil is put into the greenhouse. To ensure making a complete success the soil should be allowed to get rather on the dry side before applying the lime water, then give every particle of it a good soaking. Should the first application not be quite effectual, in eight or ten days repeat the process. It will not hurt the plants even if they are already benched, though if the worms are very numerous it would be better to give the lime water and allow the soil to dry out before planting; in doing so it would be very easily seen if many of the worms were still left in the soil, and if so then the second application could be given a few days after planting. Air slaked lime can of course be mixed with the compost during the spring when mixing the same, but this will only drive a very small proportion of the worms away, while the application of lime in solution as described above is much less expensive and much more effective in its results. JOHN N. MAY.

Hot Water Under Pressure.

ED. AM. FLORIST:—I have a house 18x75 feet which I would like to heat with hot water under pressure. I have a coil containing seventy-two feet of 2 inch pipe, also 1,000 feet of 1-inch pipe with a 50-foot smoke flue. What arrangement would you advise? S. B.

Smoke flues are not generally desirable, but for some crops and where fuel is cheap they answer fairly well. I would prefer to use 2-inch pipe for the returns. About twelve runs will be needed for 60° in zero weather. The seventy-two feet of 2-inch pipe and 1,000 feet of 1-inch pipe would give one 2-inch overhead flow, and thirteen 1-inch returns. This would answer for steam or for very high pressure with hot water. A system where 100 pounds pressure can be carried either by means of city water pressure or a closed tank might suffice, but my choice would be as above. L. R. T.

A Noted Flower Woman Dies.

Paris, May 3.—Isabelle Bouquetiere, so named by the Jockey club, who died several days ago, has been laid to rest. Many Paris papers give accounts of her somewhat remarkable career. For years she was one of the celebrities of Paris. She was at the height of her fame in 1867, when Amedee Achard met her at the Grand Prix. Her name was Isabelle Briant.

At the beginning of her career she was an actress at one of the smaller Parisian theatres. She did not stay long on the stage. She began to sell in a small way roses and violets at the door of the Cafe Anglais. She had a quick, intelligent face and bright, laughing eyes.

One night the Duc de Caderousse met her as he was leaving the Jockey club and gave her a few louis which he still possessed after a run of bad luck at baccarat. The duc installed her in the vestibule of the club. She became a fashionable flower girl, and was officially recognized by the Jockey club. Isabelle hardly ever left her daintily fitted up stall in the Rue Scribe. Her ambition had no limit. She had been consecrated by the boulevard and the paper of the time said: "You are nobody if you do not salute her, or if directly she sees you she does not come to fasten a rose in your buttonhole."

As she grew older she became eccentric. In the summer of 1867 she wore a dress of colors of the Montgomery stable, which had just won the Derby. The following year she continued her strange exhibition at the races and in the Bois. It then became customary for the winner of the Derby to give her a dress made of his colors. Thus she wore blue and red for Comte de La Grange, blue and white for M. Charles Laffitte, red and black for M. Lupin.

But fashions of people change, and Paris makes and unmakes its favorites. After the fall of the empire, Isabelle was forgotten. She opened three flower shops near the Boulevard des Italiens. She was not so successful, but generally was seen selling flowers under the portico of the Theatre des Varietes and on leading race courses. She died in a hospital very poor.—*Chicago Daily News.*

OBITUARY.

D. B. NORTHRUP.

D. B. Northrup, who has been engaged in the florist business at Oswego, N. Y., for many years died on April 27, aged 72 years.

S. M. PRATT.

S. M. Pratt, who has been engaged in business at Essex, Conn., for several years, died of pneumonia on the morning of Monday, April 16. His age was sixty-four years.

WM. S. BROWN.

William S. Brown, whose death occurred last week, has been well known as a florist at New Bedford, Mass., for more than a quarter of a century. His age was 77 years and his business had for some time been under the management of his son. Mrs. Brown's death followed that of her husband by less than twenty-four hours. After a happy married life of fifty-four years they were buried together.

Catalogues and Cut Flower Price Lists Received.

Lager & Hurrell, Summit, N. J., orchids; M. H. Walsh, Woods Holl, Mass., hardy plants; Harlan P. Kelsey, Boston, Mass., trees, shrubs and vines, wholsale; S. Y. Haines & Co., Minneapolis, Minn., flower seeds; Gurney Heater Co., Boston, Mass., boilers, radiators and thermometers; Chicago House Wrecking Co., Chicago, Ill., second hand greenhouse supplies; Hiram T. Jones, Elizabeth, N. J., trailing plants; McCray Refrigerator and Cold Storage Co., Kendallville, Ind., refrigerators; C. C. Pollworth Co., Milwaukee, Wis., cut flowers; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; Holton & Hunkel Co., Milwaukee, Wis., flower pots and cut flowers; Welch Bros., Boston, Mass, cut flowers; Bassett & Washburn, Chicago, Ill., cut flowers and florists' supplies; E. C. Amling, Chicago, Ill., cut flowers; J. B. Deamud, Chicago, Ill., cut flowers; Ad. De Clercq-Van Ghyseghem, Ledeberg nr. Ghent, Belgium, plants.

TARRYTOWN, N. Y.—The regular meeting of the Tarrytown Horticultural Society was held on Thursday, April 26. The society has decided to hold a June show. Richard Griggs, Michael Green and Albert Ely were elected to membership.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By single man, age 30, capable to fill any position. Address
FIRST FLOOR, 390 E. 35th St., Chicago, Ill.

SITUATION WANTED—Steady place by experienced florist, first-class grower in every line Address W H 31, Post Office, Salt Lake City, Utah.

SITUATION WANTED—By May 24 as working foreman, have had full charge 9 years in one situation. First-class reference; English; married Address M H, care American Florist.

SITUATION WANTED—By A No. 1 rose and carnation grower or foreman; single; good designer. Best of references. State wages. Address
TRUTH, care American Florist, Chicago.

SITUATION WANTED—By an experienced grower of cut flowers and plants, to take charge, 10 year's in last place; state wages. FLORIST,
Jullian Hotel, 3847 State street, Chicago, Ill.

SITUATION WANTED—As foreman, by first-class grower of roses, carnations, violets, chrysanthemums and general bedding plants, age 29, German and single State wages. W F, care Am Florist

SITUATION WANTED—By all round commercial man as rose, carnation and plant grower. References exchanged. Address with particulars
B R, care Geo A Sutherland,
67 Bromfield St., Boston.

SITUATION WANTED—By a young man as assistant in a retail cut flower store. Fair designer and decorator; been in business two years for myself; age 20 years, good habits and character. East preferred.
WM. B LAMPERT, Xenia, Ohio.

SITUATION WANTED—By a thorough, practical florist, German, single, 16 years' experience in all branches, 7 years in growing roses, carnations, 'mums and violets. Competent to take charge References O. K. State particulars and wages
Address A B, Standish, Kans.

SITUATION WANTED—By a thorough practical man; first class grower of roses carnations chrysanthemums and general stock; good designer and decorator. Life time experience; best references, married, age 38; west prefered Address
WESTERN, care American Florist.

SITUATION WANTED—As manager or foreman on large rose growing establishment where A1 stock is wanted The undersigned for the past two years foreman at Myers & Samtman's, rose growers, Chestnut Hill Phila., Pa., will be open for engagement as above after May 23rd. Address
WM MUNRO, Wyndmoor Montgomery Co., Pa.

SITUATION WANTED—As foreman, 25 years' experience in growing of plants for catalogue trade; also growing of plants for store trade; the forcing of all kinds of bulbs and plants for Christmas, Easter and spring trade. First-class propagator of all kinds of plants, such as roses, hardy plants, hardy shrubs, etc Good references Married, small family. Will be disengaged soon. Address
FLORIST A, care American Florist.

WANTED—Two young men for carnation and rose houses. State experience and wages want'd.
F. BURKI, Bellevue, Pa.

WANTED—A young man for store and greenhouse. Send references to H. F HALLE,
548 W. Madison St., Chicago.

WANTED—Address of Louis Truxler, a practical and ornamental florist
THOS B. BULL, Bakersfield, Cal.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—Florist, single; wages $25 per month with board, room and laundry. Steady place. Man used to west preferred. BYRON H. IVES,
Albuquerque, N. M.

WANTED—A florist for general greenhouse work; must be sober, industrious and trusty. Wages $25 per month and board. Send recommendations.
I. L. PILLSBURY, Galesburg, Ill.

WANTED IMMEDIATELY—A working foreman. Must be a first-class grower of palms, ferns and general stock. Send references. Address
WILLIAM W. EDGAR, Waverley, Mass.

WANTED—A young man wanting to learn the florists trade or one having some experience in the business. State wages with board and room. Address FLORIST, care American Florist.

WANTED—A first-class florist, single or married. Must understand growing of roses thoroughly. Apply with references and particulars to
H, care of Henry F Michell, 1018 Market St., Phila.

WANTED—Quick man to take charge of section of rose houses under foreman; must be sober, competent and reliable. Wages $25 00 per month and board. Address TEMPERATE, care Am Florist.

WANTED AT ONCE—Competent single florist, on a place of 7,000 feet of glass, where roses carnations, 'mums, and general stock are grown. State wages and address at once, sending references.
F. B. TINKER, Peru, Ind.

WANTED—Working foreman to take charge of 40,000 feet of glass in Ohio. Must be able to grow roses, carnations and cut flowers. Give references and state wages wanted. Address
W F R, care American Florist.

WANTED AT ONCE—Single man who understands the florist business in all its branches. Must be sober, reliable and a good worker Wages $25 per month with board References. Address
J. A. BISSINGER, Lansing, Mich.

WANTED—A foreman, to take charge of 60,000 square feet of glass; must thoroughly understand how to grow roses, carnations and 'mums, also a general plant stock. Good wages. First-class references required. A splendid opportunity for a capable man. Address FOREMAN,
care American Florist, Chicago.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE CHEAP—Six hothouses (85x11 each), 4-room dwelling, cellar, sheds. Hot water. No competition. A bargain. Address
W. L. WINN, White Hall, Ill.

FOR SALE—Glass at a bargain—at less than wholesale price, a lot of 12x18 glass; never been used. A bargain. Address GLASS,
care American Florist, Chicago.

FOR SALE—Established florist business, city of 40,000, five houses, over 8,000 feet of glass, one or three acres of land Stock at appraisal. Very little competition. Bargain; investigate. Also 100 farms. Apply to POORE'S FARM AGENCY.
104 Merrimack St., Haverhill, Mass.

FOR SALE—One greenhouse, 1000 feet glass, well stocked with pot plants; one store in center of city. Electric light, city water works, street cars no competition. A man with small capital can make no better bargain. Will sell the same at a sacrifice price if taken at once. Good reason for selling. Address
A B, care American Florist.

FOR SALE—Two greenhouses one 120x20, the other 60x20, office front all double thick glass; hotbeds and sash Large spring stock now on hand. 30,000 inhabitants within six miles; no competion, as nearest greenhouses are 24 miles Two acres good land; houses in good condition; steam heat; all new last year, including new boiler. Will give possession right away. Other business out of town cause of selling. Address E B, care American Florist, Chicago.

WANTED.

First-class experienced rose grower. Married man preferred.

SOUTH PARK FLORAL CO.,
NEW CASTLE, IND.

30 Very Fine PLATE BOOKS

for sale; leather bound; nearly new, some never having been used. 125 plates in each—Roses and Ornamentals exclusively. $1.75 each; $50 for the lot, cash. Address Plate Books, care Am. Florist.

For Sale

Three Greenhouses, 20x80 each, two short span to south, one even span; steam heat, five years old, best cypress material, stocked with plants, etc. Possession given immediately, houses to be moved. Good town, 5000 people. Sell altogether only. Write for particulars.....

JOHN LIEBER, Maryville, Mo.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land; 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a fine dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA

Orders From All Parts.

AM. FLORIST CO.—It is remarkable the amount of orders the one two-inch ad. brought me from the special number of your paper. Orders came pouring in from all parts of the United States, and they are still coming. It now keeps me busy writing, as I am sold out. The AMERICAN FLORIST is O. K.

W. W. COLES.

Kokomo, Ind., April 16, 1900.

Wholesale Flower Markets

CINCINNATI, May 3.

Roses, Beauty, select	25 00
" " medium	10.00
" Bride	3 00@ 5.00
" Bridesmaid	3 00@ 5 00
" Meteor	4 00@ 6 00
" Perle	3.00@ 4 00
Carnations	1 00
" fancy	3 00@ 4 00
Lily of the valley	3.00
Violets	50.@ .75
Roman hyacinths	2 00@ 3 00
Dutch "	4 00@ 5 00
Harrisii	8 00@10.00
Callas	8.00@ 10 00
Daffodils	3.00
Tulips	3 00@ 4.00
Narcissus	2.00@ 3 00
Stocks	2.00
Sweet peas	1..0
Smilax	12.50
Adiantum	1.00
Common ferns	.20
Asparagus	50.00

ST. LOUIS, May 3.

Roses, Beauty, short stems	1.00@ 5 00
" " medium	8 00@12 50
" " fancy	15.00@25 00
" Bride, Bridesmaid	4.00@ 8.00
" Meteor	4 00@ 8 00
" Perle Wootton	3.00@ 4 00
Carnations, common	1 00
" fancy	1 50@ 2.00
Sweet peas	50@ .75
Callas	6 00@ 8 00
Harrisii	6 00@ 8 00
Smilax	12.50@15 00
Adiantum	.50@ 1.00
Asparagus	15.00@50.00

MILWAUKEE. May 3.

Roses, Beauty, long per doz.	3 00@4 00
" " medium " "	1 50@ 2 50
" " short " "	.50@ 1 00
" Bride, Bridesmaid	2 00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.50@ 2 00
" fancy	2.00@ 3.00
Violets	.50@ 1.00
Daffodils	3 00@ 4 00
Lily of the valley	3 00@ 4 00
Roman hyacinths	2 00@ 3 00
Narcissus	3 00
Callas	8 00@ 15 00
Harrisii	12.50@15 00
Mignonette	2.00@ 3.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, May 3.

Roses, Beauty	3.00@35.00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	2.00@ 8.00
" Kaiserin	3 00@ 8.00
" Perle	3 00@ 6.00
" Cusin	3.00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Harrisii	3 00@ 8.00
Sweet peas	.50@ 1.00
Pansies	.50@ 75
Daisies	.50@ 1.50
Mignonette	.75@ 2 50
Smilax	15 00@20 00
Adiantum	.75@ 1.00
Hardy ferns	.20
Asparagus, bunches	40
" strings	.35@ 75
" Sprengerii, bunches	.50@1 00
Galax leaves	.15

DENVER, May 2.

Roses, Beauty, select	25.00@35.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	3.00@ 5 00
Carnations, ordinary	1 00@ 2.00
" fancy	2.00@ 3 00
Lily of the valley	4 00
Callas	12 50
Harrisii	12.50
Daffodils	4.00
Tulips	4.00
Sweet peas	.75
Asparagus	50 00
Smilax	15 00@17.00
Ferns	.30
Galax leaves	.20

.....If your.....

Business Methods

are right you can make a profit on an advertisement here.

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CATTLEYA TRIANÆ		18.00

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. per dozen, $1.00
DRACAENA TERMINALIS nice plants, 2½-in. " 1.00
(*Special prices will be quoted on application for these plants in quantity from the sand.*)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

WEILAND-AND-RISCH

GROWERS AND SHIPPERS

59 Wabash Ave. CHICAGO

OUR PRICE LIST

AM. BEAUTIES, extra long	Per dozen. $2 50 to $3.00	LIL. HARRISII	Per 100 $6.00 to $ 8.00
" 24-in. stems	2 00	CALLA LILIES	8.00 to 12.50
" 20 " "	1.50	VIOLETS, double	.60 to .75
" short "	.75	" single	.50
	Per 100	ADIANTUM	.75 to 1.00
CARNATIONS, fancy	$2.00 to $3.00	ASPARAGUS	50c
" standard	1.00 to 1 50	SMILAX	12.50 to 20.00
BRIDES	3.00 to 5.00	GALAX	$1.25 per M. .15
BRIDESMAIDS	3.00 to 5.00	FANCY FERNS, $1.50 per M.	.20
METEORS	4.00 to 6.00	WILD SMILAX: No. 1 contains 15 lbs.	$2.50
PERLES	2.00 to 4.00	No 2 " 20 "	3.50
VALLEY	3.00 to 4.00	No. 4 " 35 "	4.50
TULIPS	3.00 to 4.00	No. 5 " 40 "	5.50
		No. 6 " 50 "	6.50

Prices Subject to Change Without Notice.
Get Our Prices on Carnation Cuttings and Rose Plants.

WE SOLICIT A TRIAL ORDER.... ALL TELEGRAPH ORDERS GIVEN CAREFUL & IMMEDIATE ATTENTION

WHOLESALE FLORISTS

"AN OUNCE OF PREVENTION IS WORTH A POUND OF CURE."

To place your order with a firm having a reputation for promptness and reliability, shipping good stock at fair market rates, is better than wishing you had done so when it is too late.

We are such a firm.

WHOLESALE CUT FLOWERS.

E. C. AMLING,

32-34-36 Randolph St.,

WALTER S. HEFFRON, MGR.

...CHICAGO, ILL.

SUCCESSFUL SELLERS

are the successful growers who advertise in THE AMERICAN FLORIST.

J. B. DEAMUD,

SUCCESSOR TO ILLINOIS CUT FLOWER CO.

51 WABASH AVE., CHICAGO.

	Per Dozen.	
AM. BEAUTIES, Ex. long	$2.50 to	$3.00
" 24-inch stems,	2.00	
" 20 " "	1.50	
" short "	1.00	
	Per 100	
CARNATIONS, fancy	$3.00 to	$4 00
" standard vars. asst.	1.00 to	1.50
BRIDES	4.00 to	6.00
BRIDESMAIDS	4.00 to	6.00
METEORS	4.00 to	6 00
PERLES	2.00 to	4.00
VALLEY	3.00 to	4.00
TULIPS	3.00 to	4.00
LIL. HARRISII	6.00 to	8.00

	Per 100.	
CALLA LILIES	$8.00 to	$12.50
VIOLETS, double	.60 to	.75
" single	.50	
ADIANTUM	.75 to	1.00
ASPARAGUS	50 cts.	
SMILAX	12.50 to	20.00
GALAX Green or Bronze, $1.25 per M.		.15
FANCY FERNS...$1.50 per M.		.20
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.		$2.50
No. 2 " 20 lbs.		3.50
No. 4 " 35 lbs.		4 50
No. 5 " 40 lbs.		5 50
No. 6 " 50 lbs.		6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's
Modern Supply House

is the place to buy your CUT FLOWERS, SUPPLIES, SEEDS, Etc.
MASSACHUSETTS FANCY FERNS, 1000 $1.50; 5000 lots, $6.25

Other specialties, ORCHIDS, FANCY ROSES, FANCY CARNATIONS, SELECT VIOLETS.

WESTERN AGENTS FOR THE CELEBRATED

FOR PRICES SEE OUR NEW CATALOGUE.... IMPERIAL PLANT FOOD AND FERTILIZERS.

☞ For prices on Cut Flowers see Chicago quotations in this paper.

All stock at lowest possible prices. WRITE FOR CATALOGUE.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., CHICAGO.

KENNICOTT BROS. CO.
Wholesale Cut Flowers and Florists' Supplies.

42-44 RANDOLPH ST., CHICAGO.

WIRE WORK A SPECIALTY.

GEO. REINBERG,
Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

HUDSON & CO.
WHOLESALE FLORISTS,

1527 PINE STREET,

Phone, Kinloch D 83. ST. LOUIS, MO.

Consignments Solicited. Prompt returns guaranteed.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, May 4.

Roses, Beauty,	extra long stems		3.00
" "	30 inch	"	2 50
" "	24 "	"	2 00
" "	20 "	"	1 50
" "	15 "	"	1 25
" "	12 "	"	1.00
" "	8 "	"	.75
" Bride, Bridesmaid			4.00@ 6 00
" Perle			3.00@ 5.00
" Meteor			4.00@ 6 00
" La France			4.00@ 6.00
" Golden Gate			12.00
Carnations			1.00@ 1.50
" fancy			2.00@ 3 00
Violets			.50@ 1 00
Lily of the valley			3.00@ 5.00
Lilacs			25@ .50
Mignonette			2.00@ 6.00
Dutch hyacinths			4 00@10 00
Narcissus			2 00@ 3 00
Harrisii			8.00@10 00
Callas			8 00@10 00
Tulips			4.00@ 6.00
Sweet peas			1.00@ 2.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			12 50@15.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

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NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

GHORMLEY & PERKINS,

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New and Commodious Establishment at 57 W. 28TH STREET, NEW YORK.

Prepared to handle large or small consignments of cut flowers to growers' advantage.

TELEPHONE 2200 MADISON SQ.

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Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. McCarthy & Co.

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Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

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THE AMERICAN FLORIST'S

COLOR CHART

is now accepted as the standard in preparing color descriptions, by many foreign houses as well as in America.

PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

Wholesale Flower Markets

PHILADELPHIA, May 2.

Roses, Tea	2.00@ 4.00
" extra	6.00@ 8.00
" Beauty, extra	20.00@30.00
" " firsts	8.00@15.00
Carnations	1.00@ 2.00
" fancy	3.00@ 4.00
Lily of the valley, Daffodils	3.00@ 4.00
Violets	50@ .75
Mignonette	1.00@ 3.00
Asparagus	50.00@75.00
Smilax	15.00@25.00
Adiantum	1.00@ 1.50

BOSTON, May 2.

Roses, Beauty, extra	15.00@20.00
" " medium	8.00@10.00
" culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" extra	6.00@ 8.00
" Brunner	12.00@25.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Violets	.20@ .60
Daffodils	1.00@ 2.00
Tulips	1.00@ 2.00
Longiflorums	4.00@ 6.00
Callas	5.00@ 8.00
Mignonette	1.00@ 2.00
Smilax	20.00@25.00
Asparagus	50.00

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

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A complete line of Wire Designs.

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Wholesale Shipping

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3134 Olive Street, St. LOUIS, MO.

HOME GROWN STOCK.

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Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

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ROSES, PINKS AND VIOLETS.

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TOP GRADE
Carnations
BEAUTIES, BRIDES. BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
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Telephone No. 1998 Madison Square.

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Roses shipped to all points. Price List on application.

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ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
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New Telephone No. 1905 Madison Square.
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THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
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FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
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404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
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MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
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Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, May 2.

Roses, Beauty select	10 00@20 00
" " medium	6.00@ 8 00
" " culls	2 00@ 5 00
" Bridesmaid, Bride, Meteor	.50@ 2 00
" " " Select	4 00@ 8 00
" Jacq., Brunner	6 00@16 00
Carnations	.50@ 1 25
" fancy	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Violets	.15@ .40
Yellow narcissus	1.00@ 3 00
Tulips	.50@ 1 00
Mignonette	1.00@ 3 00
Sweet peas	50@ .75
Callas	3.00@ 4 00
Harrisii	3.00@ 4 00
Cattleyas	40.00@50 00
Smilax	20.00@25 00
Asparagus	35 00@50.00
" Sprengeri, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, May 3.

Roses, Beauty	15.00@40 00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
" Perle, Niphetos	3 00@ 5.00
" Kaiserin	3 00@ 8.00
Carnations	1 00@ 4.00
Lily of the valley	3.00@ 4.00
Violets	.60
Mignonette	1.00@ 4.00
Sweet peas	.75@ 1 00
Daffodils	3 00@ 4 00
Dutch hyacinths	3 00@ 6 00
Harrisii	8 00@12 00
Callas	6.00@10 00
Tulips	3.00@ 4 00
Smilax	15 00@20 00
Adiantum	1 00@ 1.50
Hardy ferns, Galax leaves	.20@ .25
Asparagus	.50 00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.
Please mention the American Florist when writing.

Ford Bros...
Wholesale Florists
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M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN IS NOW AT 106 W. 28th St., NEW YORK CITY,
where the best attention, as heretofore, will be given to CUT FLOWER CONSIGNMENTS. Excellent facilities and a fine line of customers.
Telephone 167 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Squa .....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres; ALBERT MCCULLOUGH, Vice-Pres; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO: W. Atlee Burpee, of Philadelphia, Pa.

LIMA bean growers in California say irrigation will be necessary to produce a crop this season and that the cost will thus be increased.

CHICAGO.—S. F. Leonard is now setting in order his new wholesale warehouse at 71–73 W. Monroe street. The seven story brick building, 40x185 feet, is entirely new and, with commodious basement, affords about 50,000 feet of floor space. Mr. Leonard's retail department remains at 143 West Randolph street.

The Adulteration of Seeds.

We are in receipt of the following communication regarding the adulteration of seeds, from A. J. Pieters, who is in charge of the pure seed investigations for the Department of Agriculture at Washington, D. C.:

"Concerning the adulteration of seeds we can at present only say that there seems to be abundant indication that certain seedsmen are preparing to meet the demand for clover by adulterating the clover seed with trefoil. We shall not be surprised if we hear of plenty cases of that sort in the near future. One seedsman has for some time past stamped his letters 'Red clover mixed with Yellow trefoil is sold at much lower price.' Another has imported more trefoil during this winter than will suffice to supply the legitimate demand for it in five years. Some of this was imported as 'clover' while another consignment came under the name of 'crimson clover.' This last named lot contained sixty-six per cent trefoil, eighteen per cent sweet clover, eleven per cent of breakage and five per cent of weed seeds, of which there were twenty-five kinds. There was not one seed of crimson clover. Of course we do not know what disposition the firm intends to make of this seed but we cannot imagine a more profitable one than selling it at clover seed prices. We shall endeavor to watch the market as closely as our circumstances will allow and if such seed is sold to the farmer as clover seed, we shall hope to hear of it.

"The Beardless Brome grass that has been sold this season, as far as our observation goes, has not been as much adulterated as last year, although some samples have contained large percentages of other species of bromus. We would say in passing that almost without exception the American grown samples of Beardless Brome have been of much higher quality than the imported samples. A practice that has occasioned some complaint among the growers of Illinois Red Top is one that, while not strictly an adulteration, is, nevertheless, selling seeds under false pretences. It appears that some dealers have been selling the chaff from Red Top seed under the name of Illinois Red Top. This stuff, of course, contains only a very small amount of Red Top seed and that of inferior quality. The sale of this stuff has tended to work an injury to the Illinois Red Top, of which growers complain. We hope to investigate the full extent of this practice in the near future."

SPECIAL BULB AND FLOWER SEED OFFER.

Seeds.

Nasturtium. Tom Thumb, mixed, per ¼ lb., 15c; per lb., 40c; per 100 lbs., $35.00.

Nasturtiums, tall mixed, per ¼ lb. 15c; per lb, 35c; per 100 lbs., $30.

Aster. Semple's True Branching Mixed, per ¼ oz., 2?c; per oz., 50c; per lb., $5.

Aster. Semple's True Branching, white, red and shell pink, per ¼ oz., 20c; per oz., 75c.

Aster. Queen of the Market, the earliest of Asters, white, crimson, blue and red in separate colors, per ¼ oz., 15c; per oz., 50c.

Bulbs.

Begonias, single tuberous rooted, pink, crimson and yellow in separate colors, 30c per doz., $2 per 100; $18.00 per 1000.

Lilium Auratum, 7-9, in fine condition, $4.50 per 100.

Lilium Spec. Rubrum, 7-9, $4.50 per 100.

Lilium Spec. Album, 7 9, $5.75 per 100.

Oxalis summer flowering mixed, 7c per dozen, 25c per 100, $1 50 per 1000.

Tuberoses, No. 1, Double Pearl, choice bulbs, 75c per 100; $6 per 1000.

Tuberoses, No. 2, Double Pearl, 35c per 100; $2.50 per 1000.

Send for our quotations on Roman Hyacinths. Paper White Narcissus, etc.

JOHNSON & STOKES,
SEEDSMEN.
217 and 219 Market Street, PHILADELPHIA, PA.

We are soliciting contract orders for crop of 1900

KENDEL'S EARLY GIANT CORN.

All contracts must be in our hands by May 15th. Price is less than $1.50, and this is the last call.

A. C. KENDEL, Seedsman, Cleveland, Ohio.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Florists are invited to send for our quotations on

FORCING BULBS,
ROMAN HYACINTHS,
LILIUM HARRISII,
LILIUM LONGIFLORUM,
Etc., Etc.

We are large importers of HIGH CLASS BULBS.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:

	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N. Y.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans, Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address

H. H. BERGER & CO., (Est. '78) 47 Barclay St., N.Y.

LOW PRICES on BULBS & PLANTS

Amaryllis Equestre, $4 per 100; A. Formosissima, $3; A. Johnsoni, $15; A. Vittata, $20. **Anemones** for fall blooming, $1. **Begonias,** single, $2 50; double $4. **Callas,** Spotted, $2; Little Gem $2.50, Fragrance $10, Yellow $25, Black $10. **Caladium Esculentum** 5 to 7 $2, 7 to 9 $4, 9 to 12 $7. **Cannas,** mixed, $1.50; named, $2 up. **Crinums,** $7. **Dahlias,** mixed, or to color, $4; fine named sorts, Cactus or others, $5 per 100. **Gladioli,** 2d size, $4 per 1000. **Gloxinias,** $3. **Hyacinthus Candicans,** 50c to $1. **Iris Germanica,** $1.50. **Ipomœa Pandurata** $3. I. Mexicana, monsters, $30. **Lilium Auratum.** $5. L. Album, $6; L. Superbum, small, $1.25. **Maderia Vine** 60c. **Montbretias** $1 **Oxalis** $1 per 1000. **Tigridias** $1.50, **Tuberoses,** 1st size 75c, 2d size 30c. Milla, Bessera, Cyclob, $1 per 100.

PLANTS. Asparagus Sprengeri, $3 50 to $20. Astilbe Chinense new, fine, $10. Begonia Duke Zeppelin, $10. Hibiscus new sorts, $10. Lace Fern, $5. Baby Primrose, $2.50. 2 new Salvias, $8. Tropæolum Phœbe, $3. The Edelweiss, soon to bloom, $6. Myosotis Sutton's Gems in bud, 3 colors, white, blue, pink, $4 per 100. The Hardy Chinese Begonia, sweet scented pink flowers, leaves olive and red; 8 by 10 inches!! grand. $6 per 100. New Begonia Gracilis, finest pink bedder, $6 per 100. Japan Morning Glory Seed, finest strain, $1 per lb., 10c per oz. Not less than 25 of any kind at 100 rates.

A. BLANC & CO., Philadelphia, Pa.

Please mention the American Florist when writing.

Seeds.

Primula Sinensis, Rolker's large-flowering, ¼ oz. $3.50; packet 25c.; best English mixture, packet 50c. **Cineraria** hybr. grandifl., choicest English, packet 50c. **Cyclamen** splendens grandifl., 500 seeds $2 50; separate colors, 100 seeds 60c.; best English mixture, packet $1.00. **Asparagus Sprengerii,** 1000 seeds $6.50; 100 seeds 75c. **Pansy,** Rolker's Giants, ¼ oz. $1.25; packet 25c.; Trimardeau, ¼ oz. 75c.; packet 25c. **Other seeds** see general Trade list, mailed free.

August Rolker & Sons, 52 Dey St., **New York.**

Please mention the American Florist when writing.

Order now your Bulbs while you can make money with

Paper White Narcissus Grandiflora,

EXTRA, $4.00 per 1000,

free Marseilles. Packing free. 1st Dec. settlement. Very low prices on application for **ROMAN HYACINTHS** and other French Bulbs for forcing.

A. BERNARD, Grower and Exporter,
Carqueiranne, Var, France.

American Florist Advertisements Work Every Day.

DREER OFFER OF

Young Palms for Growing On

We have to offer a large stock of the following varieties in excellent condition which if potted up now will double their value during the summer months.

ARECA LUTESCENS.

2 inch pots.....$1.00 per dozen, $6.00 per 100, $50.00 per 1000

KENTIA BELMOREANA.

2¼-inch pots	$2 00 per dozen,	$15.00 per 100,	$100.00 per 1000
3 " "	3.00 "	25.00 "	200 00 "
4 " "	4.50 "	35.00 "	350.00 "

KENTIA FORSTERIANA.

2¼-inch pots	$1 50 per dozen,	$12 00 per 100,	$100.00 per 1000
3 " "	2.50 "	20.00 "	175 00 "

LATANIA BORBONICA.

2¼-inch pots.....60 cents per dozen, $5.00 per 100, $40.00 per 1000

CYCAS REVOLUTA.

New importation, dormant stems, true long-leaved variety a fine fresh lot just received. Stems weighing from 4 to 50 pounds each. 25 to 100 lbs. at 10 cents per lb; 250 lbs. at 8 cents per lb.; 500 lbs. at 7 cents per lb.

HENRY A. DREER,

714 Chestnut St. PHILADELPHIA.

FRUIT and ORNAMENTAL **TREES** SHRUBS VINES AND ROSES

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., GENEVA, N. Y.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

Please mention the American Florist when writing.

NEW ROSES ::::

GRUSS AN TEPLITZ, an exceedingly healthy, strong growing forcing rose, similar to Liberty, but a stronger grower.

MAD. RENE GERARD, the improved Mad. Capucine. Fine stock. Write for prices.

BOSTON FERN, strong 2½-in., $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Roses Extra Strong stock from 2½-inch pots.

Splendid assortment of hardy sorts.

Send for price list.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

Please mention the American Florist when writing.

Strong Plants

Brides, Bridesmaids, in 2½-in. pots; American Beauties in 3½-in. pots. All good, strong, healthy Stock; will sell them very cheap for cash.

T. O'CONNOR,

Blackstone Blvd. PROVIDENCE, R. I.

500,000 FEET OF GLASS

PETER REINBERG.

LARGEST GROWER OF

CUT FLOWERS

IN AMERICA.

51 Wabash Ave., CHICAGO.

Quotations subject to change without notice. All other stock at lowest market prices. No charge for packing.

	Per Doz.
AMERICAN BEAUTIES.	
Long	$2 50 to $3.00
Medium	1.50 to 2.00
Short	.75 to 1.00
	Per 100.
METEOR	$4 00 to $6.00
BRIDE	4.00 to 6.00
BRIDESMAID	4.00 to 6 00
PERLE	3.00 to 5.00
GOLDEN GATE	12.00
CARNATIONS, fancy	2 00 to 3.00
" common	1.00 to 1.50

BRANT & NOE

Forest Glen,

CHICAGO, ILL.

WHOLESALE GROWERS OF ROSES

Roses Carefully Graded. Quality and Prices Right. Packing Free. TRY US.

For seven years we have shipped direct from our greenhouses to retail florists and held the same customers. Stock only once packed, shipped evening of day they are cut and arrive next morning in following and intermediate cities: Minneapolis, St. Paul, Omaha, St. Louis, Cincinnati, Indianapolis, Cleveland, Detroit, Pittsburg, Buffalo.

Buyers thus save twenty-four hours' first freshness.

10,000 EXCELLENT stocky 4-in. Latanias

ready for shifting, $20 per 100; $190 per 1000.

WALTER RETZER & CO. Successors to ALBERT FUCHS,

2045-59 Clarendon Avenue, CHICAGO.

TELL THEM WHERE YOU SAW THE AD.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

IRWIN C. DARLING, nurseryman, of Cleveland, O., has filed a petition in bankruptcy, scheduling liabilities of $4,800 and no assets.

J. A. WHITESIDE has bought P. J. Leitzell's interest in the Girard Nursery Co., Girard, Kan., and assumed the management of the business.

L. L. MAY & Co. are planting fifty acres of nursery stock on the farm near St. Paul recently purchased by them. Mr. Carruthers, of Kansas, has accepted the position of foreman. A general line of stock adapted to the northwest is being planted.

NURSERYMEN might well urge the passage of Senate Bill No. 1439, amending the Interstate Commerce Law. This bill aims to strengthen the law in the matter of the long and short haul and several other important particulars and directs the Interstate Commerce Commission to make and maintain a freight classification which shall be uniform throughout the United States.

THE brief period during which the Canadian government suspended the operation of the San Jose scale law and received nursery stock at certain ports of entry, fumigating the stock before its transportation was continued, necessarily restricted exportations, but assurances are offered of a further period of two or three months in the fall, which will permit of the transaction of considerable business in the Dominion.

P. S. PETERSON & SON, Chicago, are buying about 300 varieties of pæonies this year. They had previously about 400 and their collection is now doubtless the largest in the country. W. A. Peterson estimates that it will include about 600 sorts; he has in his tests discovered some sixty synonyms and several of the recent purchases were only secured to test the trueness to type of sorts already in the collection. Mr. Peterson has in contemplation a monograph on the pæony.

The Tree Butchers.

There are workmen and workmen in all branches of mechanics.

There are competent and incompetent men plying the several trades. It is not the palette and the brush that make the artist, says the *St. Louis Star*, nor yet the paint pot that designates the painter, not the pruning hook, the hatchet or the saw that speaks of the horticulturist, nor the trowel and the sprinkling pot that tell the story of the florist.

In all callings some men excel, and right alongside of them others miserably fail.

Sir Joshua Reynolds, when asked by a young artist how he mixed his colors, answered, "With brains." That is the true touchstone of success in all callings.

There is one class of fellows, just now plying their so-called calling in the residence part of St. Louis and in her suburbs, who are wonderfully lacking in brains.

They call themselves "pruners." To judge from their work they would better be called tree butchers—for that is what they have been doing for a week or two back, and are now doing out in the northwest suburbs—butchering, murdering some grand and stalwart trees that have stood and faced the storms of many winters.

Next, almost, to murdering humanity it is a crime to mutilate these stately oaks and elms.

The city should pass a stringent law, requiring each man who professes to be a "pruner" to hold a license for doing such work, and debar him from receiving such license except upon the presentation of a diploma from a school of forestry, or at least a recommendation from some well known local individual well versed in "treeology."

Augusta, Ga.

The P. J. Berckmans Co. has done a heavy business the past season. Palms and field-grown roses are the leaders. They had sold about five cars of nursery stock in the Transvaal and Natal, but, on account of the war, the orders were cancelled. Judging from the orders now being received from South Africa, the English must anticipate an early ending of the conflict.

Owing to the late spring, vegetation is at least three weeks later than last year. Strawberries are just beginning to ripen. Peaches, pears and plum trees are loaded with fruit and are now safe from frost. Judging from the present indications, the fruit crop will equal, if not exceed, that of 1898.

Fancy leaved caladiums are being grown in large quantities. If planted in a rich soil and partially shaded situation, especially where they are protected from the afternoon sun, a bed of these is a grand sight.

The Huss Floral Nursery reports a good increase of sales over last year, the Easter trade being especially brisk, roses and carnations being mainly in demand. They intend putting up another rose house this summer. L. A. BERCKMANS.

CLIFTON, N. J.—George Young is pushing along the construction of his new American Beauty house, 40x450 feet. When this is completed he will have one of the largest American Beauty establishments in this section.

300,000 Fine 2 1-2-in. Roses 300,000

FOLLOWING LIST
$2.25 per 100, $20 per 1000.

Marie Lambert			Agrippina
Purple China			Yellow Rambler
Safrano			Climbing White Pet
Mrs. Degraw			Media
Marie Van Houtte	Etoile de Lyon	Golden Rambler	Marie Guillot
Clothilde Soupert	Princesse de Sagan	White Rambler	Le Pactole
Christine de Noue	Empress of China	Lady Warrender	Mme Elie Lambert
Lucullus	Coquette de Lyon	Marquis de Vivens	Seven Sisters
Andre Schwartz	Maman Cochet	Louisa ce la Rive	Marechal Niel
Triomphe de Pernet Pere	White Maman Cochet	Yellow Soupert	R. M. Henriette
Duchess de Brabant	Vera de Flora	Tennessee Belle	

FOLLOWING LIST $2.75 per 100, $25 per 1000.

Bride	Bertha Clavel	Mme. F. Kruger	Climb. M. Guillot
Climb. Bridesmaid	Duchess of Albany	Meteor	Malmaison
Comtesse Fr.gneusse	Bride-maid	Universal Favorite	Climb. Wootton
Climb. Meteor	Climb. Malmaison	Crimson Rambler	Princess Bonnie
Hermosa	Rainbow		

FOLLOWING LIST $3 per 100, $30 per 1000.

Wichuraiana	White LaFrance	Pierre Guillot	Perle
LaFrance	Kaiserin	Papa Gontier	Sov. Wcotton
Bon Silene	Climb. Kaiserin	Pres. Carnot	Golden Gate
Sunset			

FOLLOWING H. P. ROSES at $4 per 100.

General Jacqueminot	Anne De Diesbach	Alfred Rougemont	Coq. des Blanches
Capt. Christy	Gloire Margottin	Mme. Chas. Wood	Clio
Mme Plantier	Magna Charta	Gloire Bruxelles	Paul Neyron
Marie Baumann	Coq. des Alpes	Prince C. de Roban	Louis Van Houtte

Also fine 3½-inch Roses at $4, fine large H. P's. budded from 6-inch pots at $10 per 100, and full miscellaneous stock. Send for list. Terms cash with order.

The NATIONAL PLANT CO., Dayton, O.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries. MORRISVILLE, PA.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Please mention the American Florist when writing.

NEW SHELLBARK--HICKORY NUT,
"Hornor's Special."

RARE EVERGREEN TREES
200 O.O HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.

CHAS. B. HORNOR & SON, Mt. Holly, N. J.

Please mention the American Florist when writing.

Clematis Paniculata

	100	1000
Clematis Paniculata, field grown		
No. 1	$ 8 00	$70.00
X size	10.00	80.00
Hydrangea P. G., 2 to 3 feet	9.00	
" " 3 to 4 feet	12.00	
Virginia Creeper		45.00

AMPELOPSIS VEITCHII

	100	1000
Ampelopsis Veitchii field grown, No. 3	$4 00	$35 00
No. 1	$6 00	$50 00
X size	8 00	75 00
No. 2	5 00	45 00
XX size	9 00	85 00

Roses, Felicite Perpetue	100, $5 00
Francois Levet	" 6 00
150 varieties to 3 and 4-in pots.	" 10 00
Box Tree, 6 to 12 Inches	1000, 10.00

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Florists and Seedsmen

It will pay you well to send me list of your wants and get my prices before placing your orders for

Dutch Bulbs

for delivery in the early autumn.

HYACINTHS, TULIPS, NARCISSUS,

FREESIAS, CROCUS, SPIRÆAS,

LILIUM LANCIFOLIUM. Etc., Etc.

All Bulbs carefully grown and guaranteed first-class and true. No auction stuff or trash. Correspondence solicited.

GEORGE E. DICKINSON,

No 1 Broadway, NEW YORK, N. Y.

Also Nursery and Fruit Stocks of every description.

The Merits of

"Armstrong's Everblooming Tuberose"

Can be proven by growing some of them this season. They should be planted soon. Order some bulbs from

LUTHER ARMSTRONG, Kirkwood, Mo.

COLEUS.

Crimson Verschaffeltii, Golden Bedder and Golden Queen, 75c per 100 $6.00 per 1000 Coleus in variety, 60c per 100; $5 00 per 1000 Special price on large orders.

Ageratum, blue and white	$ 60 per 100
Ageratum Princess Pauline	75 "
Giant Sweet Alyssum	.60 "
Heliotropes, 12 varieties	1 01 "
Heliotropes, 2 inch pots	2.00 "
Salvias Splendens and Bedman	1 00 "

Rooted cuttings except where noted. Plants by the 100 by mail prepaid Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.

Large-flowered Clematis, from 5-inch pots; best purple white and lavender sorts at 18c; packing free These are fine, healthy plants of this beautiful flower, that I can guarantee to grow—in fact, I will replace free of charge, any that fail to do so.

W. H. SALTER, Rochester, N. Y.

MAMMOTH VERBENAS, rooted cuttings, large, stocky plants coming to hud, just right for spring trade plenty of b ight red and pink If wanted 50c per 100 $1 00 per 1,000 Potted plants in large bud, 2-in , $1 00 per 100. Write for sample and prices on larger quantities. Satisfaction guaranteed.

Samuel Whitton, 15-17 Gray Ave., Utica, N. Y.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Geo. A. Kuhl

PEKIN, ILL.

23 Greenhouses. . .
60,000 Feet of Glass.

We offer to the trade over 35,000 young Roses, following varieties: Am. Beauties Perles, Wootons, Meteors, Brides, Maids, Belle Siebrecht, Golden Gate. We believe in shifting young Roses often. All stock offered in 2-½ in. pots has been shifted from 2-in. and is equal to most stock advertised as 3 in., and when we send it out is well established. Send 50c or $1 for samples and prices.

COLEUS.

Golden Bedder, Yellow Queen, Verschaffeltii and mixed.

GERANIUMS.

12 to 15,000 best bedding vars. in 3 and 4-in. pots.

Fine lot of

HELIOTROPE, SALVIAS, DOUBLE PETUNIAS, In 4-inch pots.

CANNAS.

Six varieties, fine plants, in 4-in. pots.

Hanging baskets of

SPRENGERII and BOSTON FERNS.

PANSIES by the thousands.

In fact, we have a large lot of mixed stuff in small pots. Write and tell us what you want and we will try and fill your order.

GEO. A. KUHL.

HARDY ROSES

Strong two-year-old plants, in all the best varieties.

Hollyhocks, Phlox, Paeonies,

Pyrethrums, Pansies,

Specialties.

SEND FOR CATALOGUE.

M. H. WALSH

Gardener to the late Mr. Jos. S. Fay. Woods Holl, Mass.

DORMANT ROSES.

2 yr. H. P's., Own Roots, Our Selection, per 100, $13.00.

2 yr. H. P's., Budded, Our Selection, per 100, $11.00.

Crimson Rambler, Strong 2 yr., $15.00.

Crimson Rambler, 3 yr., $20.00.

CLEMATIS, HYDRANGEA, PAEONIAS, AMPELOPSIS, ETC.

Vaughan's Seed Store

84 and 86 Randolph St., CHICAGO.

CLEMATIS.

Splendid plants, as per following list, in best possible condition for immediate planting:

Jackmanni, purple; Superba, grand improvement on Jackmanni; Grand Duchess, splendid white; Marvel, snow white; Mme. Andre, red; Ramona, lavender; Gen. Grant, crimson; Henryi, large white; Star of India, purple, red barred; Gypsy, maroon; Duke of Norfolk, blue; Countess of Lovelace, double lavender; Princess, blue and white; Duchess of Edinburgh, double white; Kermesina, red; Mme. B. Veillard, pink; Gen. Wolseley, lavender and red; Belle of Woking, beautiful double blush; 15 cts. each; $1.70 per dozen; $14.00 per 100. 25 at 100 rates. All strong growing plants.

C. Paniculata, a fine lot, in three sizes, $1.00, $1.50 and $2.00 per dozen.

F. A. BALLER, Bloomington, Ill.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

FINE ROSES

We offer the following surplus stock of Roses from 4-in. pots, all healthy and wintered in cold houses, at $12 per hundred: Maman Cochet, Kaiserin Augusta, Perle des Jardins, The Bride, Marie Guillot, President Carnot Clothilde Soupert, Marechal Niel, Golden Gate, Marie Van Houtte, and other good kinds. Also from open ground, 2 years strong at annexed prices. Gloire Lyonnaise, 3 to 4 ft. at $12 per hundred; Yellow Rambler and Setigera at $8. The new and valuable Eugene Jardine at $10, and Climbing Hermosa at $12.

Hoopes, Bro. & Thomas, Maple Ave. Nurseries, West Chester, Pa.

MADEIRA VINE ROOTS OR TUBERS.

2000 Madeira Vine, No. 1, $1.25 per 100. 2000 No. 2, 75c per 100. Cash with order.

E. Y. TEAS, GREENS FORK, IND.

Do not hide your light under a bushel. Tell the people what you have for sale.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

E. F. WINTERSON, captain of the Chicago Florists' Bowling Club, has received word from J. J. Beneke that several men of the St. Louis team are still out of form and that their proposed visit to Chicago must be delayed at least until May 13.

At New York.

Small but very select was the representation at the bowling alleys on Monday evening, April 30. The scores made are appended:

Player	1st	2d	3d	4th	5th	6th	7th
Roehrs	164	165	191	127	140	129	154
Schultheis	138	134	176	147	149	134	
Von Ash	131	132	135	126	139	99	
T. J. Lang	189	196	146	168	175	175	140
Donlan	154	162					

At Denver.

Following are the scores made on Tuesday, May 1. Mr. Applegate is a new member from whom we expect good work:

Player	1st	2d	3d	Av
Scott	214	180	193	196
Applegate	162	201	154	172
Berry	152	143	149	148
Benson	133	136	125	131
Lunday	118	150	114	127

P. S.

At St. Louis.

The bowling team rolled four games on Monday, April 23. J. J. Beneke, who has been troubled with rheumatism in his bowling arm, has fully recovered. The following is the score:

Player	1st	2d	3d	4th	Av
J. J. Beneke	170	146	188	145	162
C. A. Kuehn	128	164	149	126	142
J. W. Kunz	134	151	137		141
John Young	149	127	122	116	129

On Monday evening, April 30, only two of the members were able to roll. The trip to Chicago is postponed. The following is the score:

Player	1st	2d	3d	4th	5th	6th	Av
C. A. Kuehn	179	177	146	194	172	151	170
J. J. Beneke	169	219	129	134	171	192	169

J. M. H.

At Philadelphia.

Interest in bowling is still high and warm brushes are of periodical occurrence. It takes more than a double century to capture the high mark for any week. Last week Johnson was high with 227, and W. K. Harris the week before with 224. On April 23 a pair of new alleys were opened by a match between the Florists and Young Mennerchors, our boys winning handily. Here is the score:

FLORISTS	1st	2d	3d	Total
Brown	126	147	129	402
Conor	141	146	190	477
Hamilton	136	153	167	456
Johnson	157	172	161	490
Walker	169	164	153	426
Moss	153	152	162	467
Team totals	822	934	962	2718
Young Mennerchors	816	874	935	2625

The Scotts are in it again. From the extreme east to the far west, they are being heard from. Young David put up 200 in a game on the local alleys the past week, and just look what his brother, Philip, is doing out in Denver. Yes, Philip, they do "eclipse anything ever published in a trade paper," but how can you waste your time bowling at pins set from ten to eleven inches apart? Then we hear from the Buffalo head of the family, who wants to know about the "venerable" Mr. Harris. Venerable, indeed; he is well worthy of admiration and his scores are a matter of pride both to himself and all members of the club. He won the first prize in the twenty-five-game handicap tournament just finished, making an average of 168 pins, one pin higher than the scratch man. This with his handicap placed him with an average of five pins ahead of his nearest competitor. "Wm. S." can get into form again if he will just drop a line to his "venerable" friend, who says he won't charge a cent for the plan. K.

At Buffalo.

Change of climate must certainly benefit some people. Phil. Scott was at one time a champion bowler in Buffalo, but he lost his grip and was almost a "has-been"; even Andy Adams' average of 120 beat him one day. We are glad that Denver air has given him a new lease of life, for I think at the rate Mr. Scott, senior, is bowling Philip will need all the air he can get between now and August. I am sorry to see that M. Bloy quit bowling when Phil. arrived, as I think he has good blood in him. We thought the Denver alleys were short, but Phil. says they are narrow; well, Phil. is tall but not wide, and the alleys seem to fit him. Strong inducements are being offered to get Dennis O'Connell to get in practice for New York, but I am afraid it will be useless. Kasting has Jake Wiese in training, so we are sure of a good team this summer, even though we are not publishing records. W. A.

Philadelphia's Target Breakers.

The Florists' Club now ranks as the leading inanimate target shooting organization in this state, says the Philadelphia *North American*. Its shooting grounds at Wissinoming have just been put into the most complete order, with a set of five expert traps enclosed in such a manner that they are set firmly and need not be taken up after each day's shooting. The magautrap house has been enlarged and the machine put in good order, and no more trouble may be expected from this quarter. For open tournaments, where there will be a large crowd, arrangements have been made for a third set of traps.

The officers are: President, Dr. George Goebel; vice-president, J. G. McKaraher, secretary-treasurer, William B Westcott; captain, A. B. Cartledge. The club has a large membership, the most prominent of whom are John Burton, William K. Harris, Charles D. Ball, J. William Colflesh, George Anderson, William H. Taplin, George Craig, Lemuel Ball, John K. Starr, Edward Reid, Will K. Park, John D. Carlisle, Thomas C. Brown, Dr. R. C. Allen, J. D. Barrett, J. D. Stafford, Howard Bucknell, Daniel Jones, John J. Hallowell, William H. Wolstencroft, Victor V. Dorp, H. Landis David, D. D. Engle, Louis H. Eisenlohr, E. T. Coleman, J. A. H. Dressel and L. C. Parsons.

Last year in the state shoot at Erie the florists gained a national reputation by winning all the inanimate target state championship events. The Wolstencroft trophy, emblematic of the individual championship, was won by A. B. Cartledge. The team trophies include the Milt Lindsley three-men cup, the Reading trophy for five men and the Harrisburg trophy for six men.

The club's contests are held on the second and fourth Tuesdays of each month, at which there is always a good attendance and visiting marksmen are always welcomed.

Los Angeles.

DRY SEASON NOW ASSURED AND MUCH LOSS SURE TO RESULT.—SMALL CROPS EXCEPT FOR THOSE WHO PAY HIGH PRICES FOR WATER.—EASTER STOCKS WERE LARGE AND TRADE GOOD.—NOTES OF INTEREST ON VARIOUS DOINGS.

We are now assured of another dry season, such as the past three summers. Not for this length of time has the earth been thoroughly moistened to a greater depth than three feet; to-day it is quite dry and the season of rains is past. True we may have an occasional light shower, but no heavy rains are expected before next October or November. That is the situation all over Southern California and where irrigating water cannot be had no crops are expected. Our growers usually occupy but a small acreage, either in or close to the city, and nearly all of them can secure water in limited quantity. The climatic conditions are such that water applied in this way is not so conducive to plant development as natural rains, yet all are determined to make the best of such adverse conditions and push business as much as possible.

All our tradesmen made great preparations for Easter. There were great quantities of callas, carnations, roses, sweet peas and genistas but violets and Harrisii and longiflorums were in limited quantities. At the flower stores business was reported very good. Many orders were received from the surrounding territory for several hundred miles and all desirable flowers were disposed of at satisfactory prices. Nearly all the longiflorums for sale were shipped in from San Francisco.

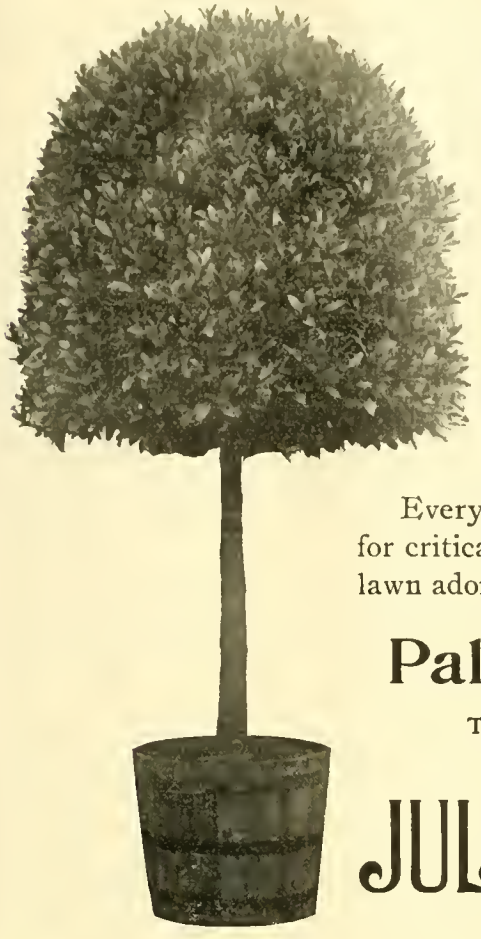
The store of Capt. F. Edward Gray, 140 South Spring street, was especially well supplied with suitable stock for the Easter trade, all of which was grown in his extensive greenhouses and nurseries at Alhambra. He had a large stock of home grown Harrisii and longiflorums as well as a limited number of his new hybrid lily, a cross between Harrisii and longiflorum. This variety is absolutely free from disease and if it proves amenable to the forcing process it will have a great future.

John Schlaloss, manager of the Redondo Floral Company, informs me that they are cutting an average of 4000 carnations daily. Owing to the dry weather and the entire absence of fogs the attack of thrips is longer continued and more injurious than usual. In addition to their already large fields of them the company is preparing to plant 40,000 additional carnations.

When it became evident another dry season was at hand C. A. Brazer & Co., bulb growers at Wilmington, made arrangements to increase their water supply and now have in operation a pumping plant that gives them an abundance of water from their own wells.

Miss Harriet Goodin is now doing business in her new store, 440 South Broadway. She has fitted up a very nice store room and office which is connected with the Elysian Gardens conducted by Miss Ethel Lord.

John Reeves, a well known gardener, who for a long time was a great sufferer from inflammatory rheumatism, has recovered and is now employed with Ernest Braunton on one of the finest private places in this city. D. R. W.



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STANDARDS

AND PYRAMIDS

The Largest Importation Ever Offered in America

Every Tree a specimen, specially selected for critical buyers. Unexcelled for piazza and lawn adornment, at figures that are convincing.

Palms and Orchids.

THE BEST COMMERCIAL FLORISTS' VARIETIES

JULIUS ROEHRS,

Carlton Hill, NEW JERSEY.

VERBENA KING.

Verbenas, rooted cuttings, 60c per 100, $5 per 1000, $22 per 5000.

2-in. Verbenas, fine plants, $2.00 per 100, $18 00 per 1000.

AGERATUM, Lady Isabell and Cope's Pet, 60c per 100, $5 00 per 1000.

60,000 CARNATIONS. special low prices to move them quick.

	Per 100	Per 1000
Flora Hill	$1.25	$10.00
Morello	1 25	10.00
Mayor Pingree	1.25	10.00
Daybreak	1 25	10.00
Wm. Scott	1.00	7.00
L. McGowan	1.00	7.00

30,000 VIOLETS, runners, California; $1.00 per 100, $8.00 per 1000. **20,000 SMILAX,** fine 2-inch plants; $1.25 per 100, $10 00 per 1000.

DAISIES, California and Yellow Castle, $1.00 per 100, $9.00 per 1000; 2-in., $2.00 per 100, $18.00 per 1000.

HELIOTROPE, 10 best var., $1.00 per 100, $8.00 per 1000; 2-in. fine plants, $2.00 per 100, $18.00 per 1000.

Express paid on all Rooted Cuttings, and satisfaction guaranteed for that cash please.

C. HUMFELD, Clay Center, Kas.

Please mention the American Florist when writing.

WE ARE BOOKING ORDERS NOW FOR THE NEW CROP.

FANCY AND DAGGER FERNS.

Will begin shipping first week in May.

Price, $1.00 per 1000.

Special discounts to the wholesale trade. Write or telegraph us.

Caldwell the Woodsman Co., Inc , Evergreen, Ala.

We've thousands of readers and hundreds of advertisers. Each helps the other.

Plenty of Flowers for

DECORATION DAY?

TRY ORDERING SOME OF YOUR SUPPLY FROM US---JUST TO FEEL SAFE.

We Make a Specialty of

GRANDIFLORA CAPE JASMINE BUDS,

(The large kind), and prompt filling of "Quick Time" orders.

SEASON: May 8th to June 5th.

SUPPLY: Ample to fill all orders.

QUALITY: 100% better than '99 cut.

GUARANTEE: Fresh and fragrant condition on arrival at destination at any express point in United States or Canada.

EXPRESS RATE: 20% less than cut flower rates, and in some instances even more favorable.

PRICES: 75c per 100, $6.50 per 1000. 500 at 1000 rate.

"Alvin is the largest Cape Jasmine shipping point in the world."

C. W. BENSON,

Alvin, Texas.

Everything in the

CUT FLOWER

line.

WIRE WORK,

the kind that will give satisfaction.

and a complete line of

FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,

P. O. Box 103. Milwaukee, Wis.

Buffalo

TRADE CONTINUES FAIRLY ACTIVE.—STOCKS AND PRICES.—KASTING BECOMES A PARK COMMISSIONER. — VARIOUS NOTES OF INTEREST.

Trade the past week has been very fair but prices have varied considerably. Roses can be had at from 5 cents upward but Beauties hold at $4 per dozen. There is no surplus but carnations are more plentiful and of sweet peas and lilies there are too many. The plantsmen have more than they can do in making lawns and beds.

The trade has at last accomplished something from a club standpoint, for the mayor has announced the appointment of William F. Kasting as park commissioner, and a better appointment could not have been made. While there are a number of florists who would be an honor to the board, Mr. Kasting was the first one mentioned and by the letter sent to Mayor Diehl it was shown that he had the support of nearly all.

The Buffalo base ball team opened the season last week and one of the players, who was a member of the Eagles, was presented with their emblem made in flowers Adams did the design.

J. B. Wiese is making preparations for the construction of a greenhouse which will be devoted almost entirely to palms for his market trade.

R. C. Avery is going to make alterations in his West Seneca greenhouses, as is Jerry Brookins, at Orchard Park.

W. A.

WEST BROOKFIELD, MASS.—Mr. Niles, who bought the Jennings property, intends to repair the greenhouses and do a florist's business.

BRIDGEPORT, CONN.—C. H. Fleming has been selected as the republican candidate for the position of harbor master for a term of three years from April 1, 1900.

GRAFTED ROSES,

American Beauty, Kaiserin, Golden Gate, $10 per 100.

OWN ROOTS, FROM GRAFTED STOCK.

Golden Gate, Kaiserin, Meteor, strong stock ready for 3½-in. pots, $4 per 100, $35 per 1000.

S. J. REUTER, Westerly, R. I.

ROSES

Robust and Healthy.

2¼-in. pots, $4.00 per 100; $35.00 per 1000. BRIDES, MAIDS, METEORS, PERLES. Cash.

GEO. E. FANCOURT, - Wilkesbarre, Pa.

Kaiserin and Carnot **Rose Plants**

$2.50 per 100.

Out of 2½-in. pots. Extra Fine Stock.

COLE BROS., Peoria, Ill.

GRAFTED KAISERIN AND CARNOT

GILT-EDGE STOCK.

☞ Plant NOW for summer bloom.

ROBERT SIMPSON, Clifton, N. J.

Carnation Cuttings!

	Per 100	Per 1000
MAYOR PINGREE	$ .75	$5.00
JUBILEE	.75	5.00
McGOWAN	.75	5.00
ARGYLE	1.00	7.50
WM. SCOTT	$1.00	$7.50
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00

AMERICAN BEAUTY ROSE BUSHES

Lifted from benches, cut back to 2 feet.....Per 100, $2.50; per 1000, $20.00

PLANTS FROM 2½-INCH POTS.

	Per 100	Per 1000
METEOR	$3.00	$25.00
MAID	3.00	25.00
BRIDE	3.00	25.00
PERLE	$3.00	$25.00
LA FRANCE	3.50	30.00
KAISERIN	4.00	35.00

All rooted cuttings sold under the condition that, if not satisfactory, they are to be returned at once and money will be refunded.

GEORGE REINBERG, 51 Wabash Ave., Chicago.

WE HAVE OUR USUAL FINE STOCK OF

American Beauty Plants.

JOHN BURTON, Wyndmoor, Philadelphia, Pa.

60,000 WINTER FLOWERING ROSES

Grafted and on their Own Roots

SEND FOR PRICES. **J. L. DILLON, Bloomsburg, Pa.**

Liberty Orders received for April and May delivery.

All winter forcing Roses from 2½-in. pots.

WRITE FOR PRICES.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3.00 a 100, $25.00 a 1000.

J. B. HEISS,

The Exotic Nurseries. DAYTON, O.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1 25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1 00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

Boston Fern A SPECIALTY

Ready now, cut from bench for 6 and 7-in. pots, $4.50 and $6.00 per dozen, very fine. Small plants, $5 per 100; $40 per 1000. Orders booked for June delivery. 100,000 BEDDING PLANTS, very fine.

Geraniums, all kinds; Coleus, Alternanthera, etc., etc. Send for list. Rooted cuttings Coleus.

L. H. FOSTER, 45 King St., Dorchester, Mass.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Please mention the American Florist when writing.

Ethel Crocker

30,000 plants from soil for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50 100 for $10.00; 250 for $18.75; 000 for $75 00.

PANSIES Freya and Fairy Queen.

Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIAS.

Adonis, carmine with pure white throat, and Snowball, a pure white; they are always in bloom and a good plant for retail. 25 of each for $1.00 or $2.00 per 100, from 2-inch pots.

ALBERT M. HERR, Lancaster, Pa.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

THE BEST CARNATIONS.

	Per 100	Per 1000
White Cloud, the best white	$3.00	$25.00
Mrs. Joost, best clear pink	3.00	25.00
G. H. Crane, best new scarlet	6.00	50.00
Gen'l Maceo, best dark crimson	6.00	50.00
Mrs. Bradt, best variegated	4 00	35.00

12 Novelties of 1900. 27 the best Standard varieties. ☞ Send for complete list.

GEO. HANCOCK & SON, Grand Haven, Mich.

Great Clearing Sale

SURPLUS STOCK
ROOTED CARNATION CUTTINGS

			Per 100	Per 1000
11,000	MRS. JOOST	from soil	$2.00	$15.00
2,000	GOLD NUGGET	" "	2.00	15.00
750	ARGYLE	" "	1.50	
100	TIDAL WAVE	" "	1.50	
5,500	MRS. JAS. DEAN	" "	2.00	15.00
4,500	JOHN YOUNG	" "	2.00	15.00
2,000	EVELINA	from soil	$1.00	$10.00
500	MELBA	" "	2.00	
10,000	G. H. CRANE	" sand	4.00	40.00
4,000	G. H. CRANE	" soil	5.00	45.00
4,000	CHICAGO	" "	6.00	60.00
6,000	GENEVIEVE LORD	" "	10.00	75.00

CHICAGO CARNATION CO., JOLIET, ILL.

CARNATIONS FROM SOIL

All the New and Leading Varieties.

STRICTLY FIRST CLASS. WRITE US FOR PRICES.

ROSES, from 2½-in. pots.	100	1000		100	1000
Beauties	$6.00	$50.00	Maids	$4.00	$35.00
Brides	4.00	35.00	Perles	4.00	35.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

Guaranteed strictly first-class stock and free from disease. Cash discount on 1000 lots. 500 at 1000 rates; 50 at 100 rates.

CARNATIONS.

Strong, Well-Rooted Cuttings. Select Stock.

	Per 100	Per 1000
G. H. Crane	$6.00	$50.00
Morning Glory	6.00	50.00
Gen Maceo	6.00	50.00
Glacier	6 00	50 00
America	5 00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40.00
White Cloud	4.00	30.00
Mary Wood	3.00	25.00
Mrs. F. Joost	3 00	25.00

And other standard sorts.

F. DORNER & SONS CO., LAFAYETTE, IND.

Please mention the American Florist when writing.

CARNATIONS.

Mrs. Thos. W. Lawson, pink	$14.00	Gomez, dark red	$ 5 00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2 50
The Marquis, pink	10 00	Trimmph, fine pink	1.50
Genevieve Lord, pink	10 00	Daybreak, ebell pk.	1 00
Olympia, variegated	12.00	Flora Hill, white	2 00
G. H. Crane, scarlet	5.50	White Cloud	3 50
America, scarlet	4 00	Mary Wood, fine white	3 00
Melba, light pink	3.50	Jubilee, scarlet	1.50
Mrs G Bradt, var.	5.00	Wm. Scott, pink	1.00
Glacier, white, fine	4.00	Lizzie McGowan	1.00

Gen. Maceo, best crimson.....$5.00 per 100
Mrs. Jas. Dean, fine pink.....3 00 per 100
Nephrolepis Cordata Compacta, 2½ inch, $4.00 per 100, 8 and 10 inch. fine, $12.00 per doz.
Cash please. CARL HAGENBURGER, West Mentor, O.

DRACAENA INDIVISA

Three years old, fine stock out of 5-inch pots, 2½-3 feet,

$3 per doz., $20 per 100. 50 at 100 rate.

Cash With All Orders.

ROWEHL & GRANZ, HICKSVILLE, L. I., N. Y.

SMILAX.

From flats, by mail.....50c per 100; $4.00 per 1000
" " 2-inch..... $1.50 " $13 00 "
Hydrangeas, 5-inch pots.....$3.00 per doz.
" 4-inch puts..... 2 00 "
" Rooted cuttings, $1.25 per 100; $10 per 1000
Large flowering Canna roots.....$1.00 per 100
Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

GENEVIEVE LORD

The ideal pink carnation. Strictly speaking, a commercial variety, yet size and exhibition qualities are not lacking. The color is that happy shade called by the ladies "just right." Its stem is unequalled by any carnation. It is a prodigious grower and the most remarkable producer of high grade blooms we have ever grown. An easy, rapid grower; makes large plants from late cuttings. We can promise prompt delivery after April 10th. Stock for delivery prior to that date all sold. Cuttings positively free from rust and in other respects very hard to duplicate.

Price: Doz., $2; 100, $10; 1000, $75.

Our catatalogue is now ready, giving complete description of above, also all of the other big new ones at introducers' prices. Also complete list of standard varieties, all the best new and standard chrysanthemums. Catalogue sent for the asking.

H. WEBER & SONS,
OAKLAND, MD.

Please mention the American Florist when writing.

CARNATION CUTTINGS, New Varieties.

	Per doz.	Per 100.	Per 1000.
Chicago, Red Mrs. Bradt	$1.50	$ 7.50	$ 60.00
Ethel Crocker	1.50	10.00	75.00
Marquis	2.00	10.00	75.00
Mrs. Thos. W. Lawson	3.00	14.00	120.00
Olympia	2.00	12.00	100.00
Genevieve Lord	2.00	10.00	75.00
Estelle, grand scarlet	2.00	10.00	75.00

General List.

☞ Our cuttings have been transplanted into soil, and are far superior to sand cuttings partly rooted quoted at "bargain" prices.

	100	1000		100	1000
G. H. Crane	$6.00	$50.00	Flora Hill	$2.50	$20.00
General Gomez	5.00	40.00	America	6.00	50.00
General Maceo	5.00	40.00	Melba	5.00	40.00
Mrs. Frances Joost	3.00	25.00	Maud Adams	5.00	40.00
Mrs. G. M. Bradt	5.00	40.00	Gold Nugget	3.00	25.00
White Cloud	3.00	25.00	Jubilee	3.00	20.00
Glacier	6.00	50.00	Daybreak	2.00	18.00
Cerise Queen	3.00	25.00	Tidal Wave	2.00	15.00
Mrs. Jas. Dean	3.00	25.00	Lizzie McGowan	1.50	12.00

SURPLUS—1000 sing. white and pink PRIMROSES, strong, 3-inch pots, @ 50 per 100, while they last.

CHICAGO VAUGHAN'S SEED STORE NEW YORK

When writing mention American Florist.

St. Louis.

STATE OF THE MARKET.—LITTLE CHANGE FROM PREVIOUS CONDITIONS.—DEATH OF A BRIGHT YOUNG LADY.—BOWLING TEAM DISABLED.—OTHER MATTERS.

There seems to be very little change in the condition of the St. Louis cut flower market this week. The over-supply continues and the demand is slow. Roses have sold as low as 50 cents a hundred, good stock, and carnations dropped to $4 per thousand and the waste was heavy at that. However, this condition cannot continue much longer. The chances are that by the first of next week the over-supply will be considerably cut down and prices will advance. It is expected that there will be a great many flowers used in honor of Admiral Dewey.

Miss Helen Beneke, aged 13 years and 9 months, youngest daughter of J. J. Beneke, died Tuesday, May 1. Miss Beneke was gifted with a fine musical talent and was much sought after by churches and lodges for entertainments. Being of a bright, cheerful disposition she made friends with all the members of the craft, who extend Mr. and Mrs. Beneke their deepest sympathy.

It has been decided by the St. Louis bowling team, owing to so many of the boys being sick or busy with their spring plant trade, to postpone their visit to Chicago. The new date has not yet been decided upon, but will probably be fixed at the next meeting of the team.

Fred. Weber, who has been ill for quite a while, is now able to be around and attending to business again.

Wm. Sanders, who was with Charles Connon, has gone into landscape gardening, and has all the work he can attend to. J. M. H.

LANCASTER, MASS.—The many fine elms in this town have suffered so severely from the ravages of the elm leaf beetle, that a special town meeting is to be held to consider the advisability of making an appropriation of $1,000 for the purchase of spraying apparatus.

5000

Lady Campbell Violets.

Strong, Healthy Stock Plants,

$4.00 per 100. $35.00 per 1000.

H. A. JAHN, New Bedford, Mass.

Orchids!

Arrived in perfect condition, a grand importation of CATTLEYA PER IVALLIANA. Write for price lists of imported and established orchids.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at $2 00 PER 100 and up.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....

$2.00 Per Year. Sample Copies Free.

Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. CHICAGO.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

ROSE PLANTS

From 2½ in. Pots.

	Per 100	Per 1000
THE BRIDE	$3.00	$25 00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00

THESE are clean, strong plants, fully up to the character of the stock we have sent out in previous years. All stock is guaranteed, all orders are carefully filled and well packed.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

VINCA MAJOR VARIEGATA

From 2¼-in. Pots, strong, ready to shift,

$3 00 per 100.

GREVILLEA ROBUSTA

Very fine stock, from 2½-in. pots. A bargain.

$3 00 per 100.

Nathan Smith & Son, Adrian, Mich.

Please mention the American Florist when writing

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...OF... ARECA LUTESCENS, KENTIA BELMOREANA, PHOENIX RUPICOLA.

WANTED!

250 GERANIUMS Beaute Poitevine, 2 1-2 inch.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO.

DAHLIAS A1 Classes

50 PRIZES IN 1899

CATALOGUE FREE. Largest variety in America. Divided roots, carefully selected, in assortments of 10 to 20 varieties, $5 per 100, $40 per 1000.

H. F. BURT, Taunton, Mass.

CHRYSANTHEMUMS

Bessie Burton	Mrs. John J. Glessner
Bonnefton	Modesto
Cullingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. O. P. Bassett
Ivory	Niveus
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs J. C. Whildin
Miss Minnie Wanamaker	

And others from 2½ in. pots $2 per 100, $15 per 1000.

HARDY POMPON CHRYSANTHEMUMS

10 named varieties, 2½-in. pots, $2 00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1 00 per 100 $7 50 per 1000. "Cash with order."

R. VINCENT JR. & SON, White Marsh, Md.

FINE 2-INCH STOCK.

	Per 100	Per 1000
Alternanthera, 3 varieties	$1 50	$14.00
Lobelia, trailing blue	1.50	
Fuchsias, mixed	1.50	
Vinca variegata	1.50	
Ageratum, blue	1 25	
Begonia Metallica	2.25	
Coleus, Golden Bedder, Verschaffeltii	1.50	15.00
Mixed Coleus	1.35	12.50

ROOTED CUTTINGS.

Golden Bedder and Verschaffeltii Coleus, 60 cts.; per 100; $5.50 per 1000.

Fisher Carnations, 75 cts. per 100.

R. I. HART, Hackettstown, N. J.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also High Grade Mixed Dahlias and Dahlias under Separate Colors.

W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

Please mention the American Florist when writing.

PLEASE MENTION US TO OUR ADVERTISERS.

Read This About McCarthy's Auctions.

The Ornamental Evergreens and Deciduous Shrubs sold during the past two weeks have created a sensation because of their high quality. There will be some more of them in the sales of the coming week. Also a big importation of Kentias, Latanias and Phoenix in different sizes just received; Spring Bedding Plants and Bulbs. Consignors are hereby notified that on and after May 8th regular consignors' goods will take precedence invariably over transient or intermittent shipments.

The sales take place on Tuesdays and Fridays at 9:30 A. M. Bids by mail receive careful attention.

N. F. McCARTHY & CO.,

84 Hawley Street. BOSTON, MASS.

Violet Plants

Healthy and Clean
No Disease

ROOTED RUNNERS AND DIVIDED PLANTS

$7.00 per 1000

J. B. DEAMUD, 51 Wabash Ave. Chicago.

Please mention the American Florist when writing.

VIOLETS

Strong, healthy, well-rooted runners of Maria Louise Violets at $6.00 per 1000.

CASH WITH ORDER.

E. H. BLAMEUSER, Niles Center, Ill.

Marie Louise Violets.

CLUMPS.

Absolutely free from disease, fine, $5.00 per 100.

ROOTED CUTTINGS.

$2.50 per 100.

MONROE GREENHOUSE, Monroe, Mich.

The Green Springs Floral Co.

WALOROP P. O., Louisa Co., VA.

POTTED VIOLETS. Per 1000

CAMPBELL	$30.00
FARQUHAR	40.00
PRINCESS OF WALES	25.00
CALIFORNIA	25.00

VIOLETS Now is the time to order Rooted Cuttings, A1 stock, free from disease; Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales. **1000 S. A. Nutt Geraniums,** rooted cuttings, $17.50. **Carnations,** rooted cuttings, from sand and soil, Daybreak, White Cloud, Gold Nugget, Flora Hill, Melba, Jubilee, etc., ready to be planted out. Send for price list.

CRABB & HUNTER, Grand Rapids, Mich.

VIOLETS. A few thousand rooted cuttings of Marie Louise, Farquhar, Lady Campbell, Swanley White. This stock all free from disease. $6.00 per 1000. Cash with order. ELI CROSS, Grand Rapids, Mich.

CHINESE

PRIMROSE SEED.

The finest large flowering, frioged varieties grown. Not to be compared to cheap imported seed. Special florists' pkt. of 13 varieties, single and double, 500 seeds, $1.00.

PRIMULA OBCONICA GRAND. ROSEA. The finest of the improved obconicas. 1000 seeds, 50 cts.

CINERARIA SEED of finest large flowering dwarf varieties in best mixture, 1000 seeds, 50 cts.

The Home of Primroses. **JOHN F. RUPP, Shiremanstown, Pa.**

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. WAVERLEY, MASS.

Please mention the American Florist when writing.

A BARGAIN

In Surplus Bulbs.

Caladium Esculentum.

Small size	per 100, $1.25
Medium size	" 2.00
Extra large size	" 4.00

Tuberose Bulbs.

Excelsior Dwarf Pearl. A No. 1 stock, 75c per 100; per 1000, $6.00.

Sweet Pea Seed.

Very best quality mixed. Per lb., 20c; 6 lbs for $1.00, by express.

Satisfaction Guaranteed. Cash With Order.

GEO. L. MILLER, - Newark, Ohio.

Please mention the American Florist when writing.

Leading Chrysanthemums.

White: Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jerome Jones, Independence, Weeks. Yellow: Golden Trophy, Henderson, Johnson, O. P. Bassett, Whitlin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch. Pink: Ivory, Glory of Pacific, Montmort, Morel, Perrin, Murdock. Bronze: Chas Davis. Red: Geo W Childs; out of 2½-in pots, $2.50 per 100, $20.00 per 1000. Also, White: Lady Fitzwygram, Chadwick, Mayflower, Western King. Yellow: Pennsylvania, Golden Wedding, Yellow Jones and H W Rehman. Pink: Autumn Glory, Pink Jones. Red: Defender, Solompton. Bronze: Lady Hanham; out of 2½-in pots $3.00 per 100, $25.00 per 1000. 500 or more of not more than 12 varieties at 1000 rate.

ROSES. Bridesmaids, Brides and Perles, 2½-in., $3.50 per 100, $30.00 per 1000. Good Stock, Bridesmaids, Brides and Perles, 3-in., $5.00 per 100, $45.00 per 1000.

Terms cash or will be sent C. O. D. Satisfaction guaranteed or money refunded. Secure your stock by ordering early. We are the largest growers of Chrysanthemums in Illinois.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

IVORY 'MUMS

Fine, clean Stock.

2½-in. pots, $2.00 per 100, $17.50 per 1000.

BROWALLIA GIGANTEA

2½-in. pots, $3.00 per 100; $25.00 per 1000. 250 plants at 1000 rate.

Set of best 1899 **GERANIUM** novelties, $2.00 per set, worth $4.00.

HENRY EICHHOLZ, Florist.

CASH PLEASE. Waynesboro, Pa.

Please mention the American Florist when writing.

TO THE TRADE ONLY.

CANNAS. We have a surplus of dwarf, mixed colors, $7.00 per 1000.

DAHLIAS We have a surplus of field-grown mixed colors, $5.00 per 100.

Tobacco Dust $1.00 per 100; $18.00 per ton.

Nick Ohmer, Sample and Excelsior Strawberry Plants, 50 cts. per 100; $3.50 per 1000.

MARK HANNA Strawberry $10 per doz. Cash with order. THOMPSON'S SONS, Rio Vista, Va.

PETUNIAS, DOUBLE FRINGED

From 2 inch pots	Per 100, $2.00
GERANIUMS, mixed, 2-inch	" 2.50
COBÆA SCANDENS, 2-inch	" 2.00

E. I. RAWLINGS, QUAKERTOWN, PA.

Please mention the American Florist when writing.

Baltimore.

SMOKER AT THE GARDENERS' CLUB—ONE OF THE MOST ENJOYABLE ENTERTAINMENTS ON RECORD.—WIT AND WORSHIP AT THE SHRINE OF FLORA.—STATE OF TRADE AND THE MARKETS.

The smoker at the club was generally conceded to be the most successlul entertainment ever enjoyed by that organization. The expected visitors from Philadelphia found it impossible to attend, and that was the only item of gloom in a whole evening of brightness. Refreshments were provided by the magician of the club, and all that the committee had to do was to pass them around, the last course being churchwarden clay pipes with stems half a yard long, tied with a neat bow of yellow ribbon bearing the words, "Gardeners' Club Smoker, April 23, 1900." While the fragrant narcotic was exercising its soporific influence, Robert Graham, acting as master of ceremonies, called upon a number of members for speeches. G. O. Brown, when called on, read a paper he had prepared in response to a request, "The Gardener, the Florist and Flowers," showing the beauty and use of gardening and its connection with all that is noblest in humanity. The essay was also brimming over with humor, personal allusions of the most pleasant character raising a constant succession of laughs. Other members called on were: President Robert Halliday, W. Paul Binder, Wm. Christie and Messrs. Woodfall, Donn, Moss, Flitton, Welsh, Seybold and McRoberts. Music was not wanting, for Geo. A. Solter as pianist and Henry F. Klinefelter as whistling soloist were heartily applauded.

Prices have a decided downward tendency, and the warm weather is bringing in floods of bloom, notably roses and callas. Smilax is still scarce. Sweet peas are becoming fairly plentiful. Dealers are "kicking" about sleepy carnations. The market stalls are gay with geraniums and pansies, and altogether the signs indicate the advent of spring and the transient reign of the spring bedding plant in the trade.

Growers are going in for Liberty rose. The Ruxton Company has a hearty looking batch of 500, and others are taking more or less stock. MACK.

SAUGERTIES, N. Y.—M. J. Barry's Easter violet crop was 102,000 blooms and the returns were something more than $700.

Bred in Old Kentucky

			Per 100
5000	Red Bruant GERANIUMS,	2 & 2½-in..	$2.00
5000	" " "	3½-in.......	4 00
1000	AGERATUM Cope's Pet,	2-in.........	2.00
1000	White or Purple HELIOTROPE,	3½-in.	4.00
1000	White & Yellow DAISIES,	3-in.........	2.00
1000	COLEUS, all colors,	2-in.........	1.50
1000	CANNAS, mixed,	4-in.........	4 00
	FUCHSIAS,	3 in.........	4.00
	CUPHEA- Cigar Plants,	2-in.........	2.00
	MOON VINES,	3½-in.......	4.00
	" "	2-in.........	2.00
	Large COBÆA SCANDENS,	3-in.........	5.00
	PARLOR IVY,	2½-in.......	3 00

Cash with order.

C. L. BRUNSON & CO., Paducah, Ky.

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)....	$10 00
2¼ " Vinca Variegata Vines............	2.50
Plants " " " from flats..	1.50
R cuttings " " " from sand..	1.25
2¼-in. pot Smilax..........................	2.00
2¼ " " Mme. Salleroi Geraniums........	2.00

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

BAY TREES

PYRAMIDS

AND

STANDARDS

A Grand Array of

CHOICE SPECIMENS.

Write for prices.

BOBBINK & ATKINS,

RUTHERFORD, N. J.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY. double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta H, Philadelphia

EDWIN LONSDALE, Wyndmoor, Montgomery Co. PA.

THE NEW FERN

Nephrolepis exaltata gigantea

Has broad leaflets and the longest fronds of all the Nephrolepises For beauty and grand specimens by far surpasses the famed Boston Fern Fronds of an average plant 9 to 12 feet long and up. Price of nice young plants 25c each, 3 for 50c, post paid; $5 per 100 by express.

Acalypha Marginata, good rooted cuttings, mailed for $1 50 per 100 **Russelia Juncea.** good young plants, mailed for $1 50 per 100. Send for price list of Plants, Bulbs, Seeds and Decorative Stock

SOAR BROS, Little River, Fla.

FLORISTS' ORCHIDS

.......The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

FORGET-ME-NOT, winter flowering, flats $1.50; 2¼-in. $2.00; 2½-in. $2.50 per 100.
AGERATUM, white and blue, R. C. 75c; flats $1.00; 2¼-in. $2.00 per 100.
PARIS DAISY and **DOUBLE ALYSSUM,** R. C. $1.00; flats $1.50 per 100.
VARIEGATED VINCAS, flats, $1.50. **RUDBECKIA.** 3-in., strong, $3.00 per 100. Add 10c per 100 to price of R. C., 15c to price of plants from flats if to be sent by mail. Cash with order, please.

CHAS. S. DUTTON, 85 W. 12th St., Holland, Mich.

Please mention the American Florist when writing.

Fine, Stocky Plants.

	Per 100
Alternanthera, yellow, $1.50, red	$1.75
Oxalis Floribunda, fine for vases.............	1.50
Coleus, good asst, 2 x 2¼-in. pots.............	2.00
GERANIUMS 12 vars., fine plants, 2½-in. pots	2.75
" " " 3-in. pots..	3.75
Centaurea Gymnocarpa, 2-in. pots...........	2.00
Vinca Vines, 2 var..............................	3.00
Asparagus Sprengerii, May 15th..............	3.50
Asparagus plumosus nanus, June 1st.........	4.00
Primulas, 5 vars., July 1st.....................	2.00
Smilax, 2-in. pot, May 15th..........1000, $8.00	1.00

—CASH PLEASE—

JOS. H. CUNNINGHAM
DELAWARE, O.

GOOD STOCK.

				Per 100
5000	Geraniums, named, our selection,	4-in.,		$8.00
4000	Obconica........................	"		6.00
5000	Alternanthera, large leaved.....	2½-in.,		2.00
1000	California Moss.................	2¼	"	1.50
500	'Mums, Mme. Desgranges........	2½	"	2.00
2000	Fuchsias, choice mixed.........	2½	"	2.00
500	Variegated Vinca, trailing......		"	20.00
1000	Hydrangeas, Thos. Hogg	5	"	15.00
2000	Flowering Begonias, our sel....	2¼	"	1.50
5000	Double Mixed Petunias.........	4	"	6.00
1000	True Maidenhair Fern..........	2½	"	4.00
500	Dracæna indivisa..............	6	"	15.00

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For Summer Flowers.

Marguerite Carnation, (white); **Corn Flower,** (lilac and blue); **Gaillardia,** (single); **Poppies,** (oriental). The above at $4.00 per 100.

Cannas, started plants, Paul Bruant, Chas. Henderson, Queen Charlotte, Florence Vaughan and A. Ferrier, (bronze) at $6.00 per 100. **Geraniums,** mixed varieties, strong plants from 4-inch pots, $7.00 per 100. **Violet Clumps,** California and Farquhar, $10.00 per 100. **Pres Carnot Rose,** 500 2¼ and 3-inch pots, $4.00 and $6.00 per 100. **Am. Beauty Roses,** strong 3-inch pots, $6.00 per 100; $55.00 per 1000. **Cash or satisfactory reference.**

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Helpful Reminders.

Every one has sweet peas for two weeks but few have choice flowers after that. Plant them where they can be watered and have plenty of light and air. They want rich soil and should be well staked. When you water do it thoroughly and next day rake the surface lightly. Keep the old flowers cut off and and when you see a new side branch starting cut the old branch above it entirely off. In this way you will keep a fresh crop constantly developing. There is pleasure and profit in it.

If you have trees to care for it is well to look the bark over and pick off the cocoons of the Tussock moth, which are gray and look like silk spun with hair. By destroying these you prevent the caterpillars from infesting the trees in June. If your neighbors allow the caterpillars to grow, you can easily prevent them from crawling up the trunks of your trees.

All hardy shrubbery for mid-summer or fall bloom should have its pruning at once, roses, hydrangeas, begonias, clematises, cornuses, etc. Early flowering plants which set flower buds in fall should not be pruned until after blooming.

This is a good time to increase Asparagus Sprengerii by division. Shake out well and cut the cork-like disk from which the stems and roots grow into separate pieces, leaving no less than three stems to a piece.

This is the time of year to dig, dig deeply, turn the soil over and expose it to the air as thoroughly as possible. Use the fork but do not be content with scratching the surface.

Care should be taken with your dwarf oranges to keep them clean now and preserve the flowers and new growth to have them well fruited for winter sales.

Aster seed for general crop should be started now. C. B. W.

EXETER, N. H.—Lorenzo Nealley has opened a flower store in the room formerly occupied by C. S. Sheldon, jeweler.

RIDGEFIELD, CONN.—Chas. W. Neth, gardener to L. H. Bigelow, detected burglars on the place, April 22, and gave chase, receiving a powder burn as the result of being under fire by the robbers.

AKRON, O.—W. P. McFarland has severed his connection with the Imperial Greenhouses and will shortly start in business for himself at 203 Wooster avenue, near the Bolany Bros.' old plant.

LONDON, ONT.—A. G. Stephens has secured the Weldon homestead at South London, a good brick house and five acres of the choicest land in the vicinity, and will move his greenhouses as soon as the spring work is done.

OCEANIC, N. J.—It has been decided that the Monmouth County Horticultural Society will meet monthly during the summer, on the third Friday of each month. On May 18 Dr. W. S Whitmore will address the organization upon "The Cultivation of Flowers: their Influence upon Society."

MADISON, N. J.—Arrangements have been made to hold the fifth annual flower show of the Morris County Gardeners' and Florists' Association on November 7 and 8, at the Madison Assembly Rooms. An efficient committee has been appointed to arrange a schedule of prizes. Mr. D. Willis James is constructing an elaborate Italian rose garden.

300,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION.

Fine pot plants $2.50 per 100; $20 per 1000. Rooted Cuttings, 60c per 100; $5.00 per 1000; $45 per 10,000

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We are now booking orders for fall delivery.

Plants from 3½-in. pots,

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FLORENCE VAUGHAN	6 00
MLLE. BERAT	8.00
MME. CROZY	5.00
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Several other kinds in moderate supply.

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New Double Begonia

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Largest Stock IN THE Country

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TRIOMPHE DE LORRAINE (crimson)

Good strong plants. Good house plants. Good bedder.

4 Plants, $1.00; 100 plants, $20.00
25 Plants at 100 rate.

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Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c per 100; 2-in. pots, $1.50 per 100. Coleus in variety, $5 per 1000, 60c per 100; 2-in pots $1.25 per 100.

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GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2-in. pot, $1 25 per 100.

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FUCHSIAS $1.50 per 100; 2½-in. pots, $2 50 per 100.

FEVERFEW, $1.50 per 100; $12.00 per M.; 2-in. pot, $2.00 per 100.

VINCAS, $1 25 per 100; 4-in. pots, $8 00 per 100, $70.00 per M. Fine plants.

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25,000 2½-inch ROSES—Brides, Meteors, Maids Perles and Woottons, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first-class.

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VERBENAS, 20th Century Collection—Rooted cuttings all sold. 2-inch ready May 10th, $2.00 per 100.

FUCHSIAS—10,000 strong rooted cuttings, 10 choicest varieties, $1.00 per 100 while they last, strong 2½-inch in 4 varieties, 3c.; 2-inch 2c.

50,000 Dble. Fringed Petunias, Henderson's and Dreer's latest sorts. We all know that they lead the world. Strong, 2-inch, ready May 10th, $2.00 per 100.

Geraniums, strong 2½-inch, choicest standard varieties, $3 per 100. Rose Geranium, strong 2½-inch, $3 per 100. Mme. Salleroi, strong 2-in. $2.00 per 100.

Ageratum, Princess Pauline, the only one to grow, $1.00 per 100. Extra strong, 2½-inch, full of Cuttings, $2.50 per 100.

Smilax, strong, 2-inch, $1.00 per 100; $8.00 per 1000. Strong seedlings, 50c per 100, $4.00 per 1000 by mail. Double extra strong, 2-inch, $1.25 per 100, $10.00 per 1000.

Lobelia (trailing) indispensable for baskets, etc., strong, strong rooted cuttings, $1.00 per 100.

Vincas, Major and Variegata, strong 2½-in., 3c; strong 2-in., 2½c.

Marguerites, New Giant White, a grand sort, and New Golden, strong 2-in., $2.00 per 100.

20,000 Pansies, from seed worth $10.00 per oz., big plants from cold frames, in bud and bloom, $1.50 per 100.

Coleus, strong 2-inch, choicest varieties, $2.00 per 100.

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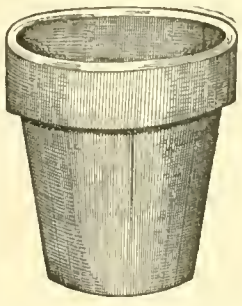

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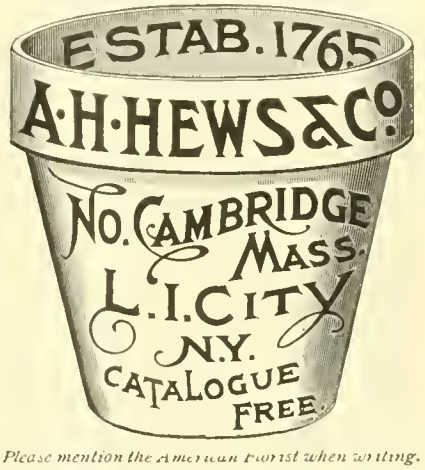

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1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5 00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.61	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

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VIOLETS Marie Louise and Lady Campbell.

Rooted runners, first-class stock, free from disease. $1 00 per 100; $8 00 per 1000. Cash with order or C. O. D.

DAVIS & WEISS, Bloomsburg, Pa.

Washington.

Stock is plentiful but not in much demand. Spring has come on with a rush and many of the trees are in leaf. Hyacinths and tulips are in their glory. Everybody is trying to get their gardens in shape and do their planting.

Clark Bros. have a good crop of Souvenir du President Carnot rose. The stock is three years old, planted in solid beds. They dry them off and keep cold for a few months in winter, then cut them well back and start about six weeks before Easter.

At the annual meeting of Commandery Number 4, of which the ex-president of the S. A. F., Wm. F. Gude, was the retiring commander, he was presented with a magnificent gold sword and belt as an expression of appreciation for services rendered. P. G.

IRVINGTON, N. Y.—Wm. P. Mahan has opened business here as florist and seedsman.

Boston Florist Letter Co.

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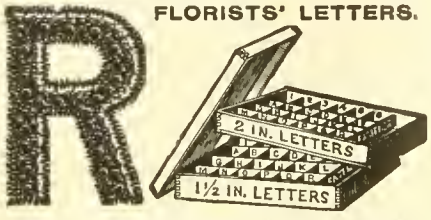

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PALM LEAVES Fresh Green, $2.00 per 100
FANCY FERN, DAGGER FERN, ETC.
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PREPARED TROPICAL PALMS
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CYCAS ..LEAVES.
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GREEN SILKALINE
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THE KINNEY PUMP.
For applying liquid manure it has no equal. Sent prepaid for $2.50. Without spraying valve, $2.00.
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Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE
DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN
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Kill AND SAVE the THE BLOOMS Bugs!
QUICKLY DOES IT.

GARDEN HOSE.

We bought at sale 75,000 feet of brand new 3-4 inch Rubber Garden Hose. It is in good condition; comes in 50-foot lengths, complete with couplings. Price per foot, 5 3-4 cents. We have all kinds of garden hose. Our catalogue No. 47 tells you all about it. Besides, we can interest you on

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Pipe of All Kinds,

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Our Prices are Astonishingly Low.

WRITE US TO-DAY.

CHICAGO HOUSE WRECKING CO.,

West 35th and Iron Sts., CHICAGO.

Denver.

COMMISSION MAN SELLS OUT.—BUSINESS CONTINUES ACTIVE.—SOME GOOD STOCK IN MARKET.

Wm. L. Lingenbrink has sold his wholesale and commission business to A. Elberfield. This step was prompted by Mr. Lingenbrink's desire to try his luck at the Cape Nome gold fields but he has since given up this project and will devote his time to caring for the property interests of his sister, Mrs. C. N. Whitman. His first duty will be a trip to one of her ranches in Texas.

Business continues brisk and there is no prospect of an over-supply, particularly of the stock suitable for funeral designs. Glauber & Webb are cutting some remarkably fine Beauties. Good roses are in fair demand and pansies go quickly.

Mr. Scheffel, the well-known violet grower, will put in more plants than ever for next season. A. E.

VINCENNES, IND.—John A. Balmer has torn down his place on the corner of Third and Broadway streets and has shipped the glass and young stock to Cle Elum, Wash., where he is building three houses 22x200 feet. He will grow wholesale only for the Seattle, Tacoma, and other markets of western Washington. This will be the only wholesale cut flower establishment in the state of Washington.

H. M. HOOKER COMPANY.
COR. CLINTON and RANDOLPH STS. CHICAGO.
GREENHOUSE GLASS
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LARGE STOCK PROMPT SHIPMENT.
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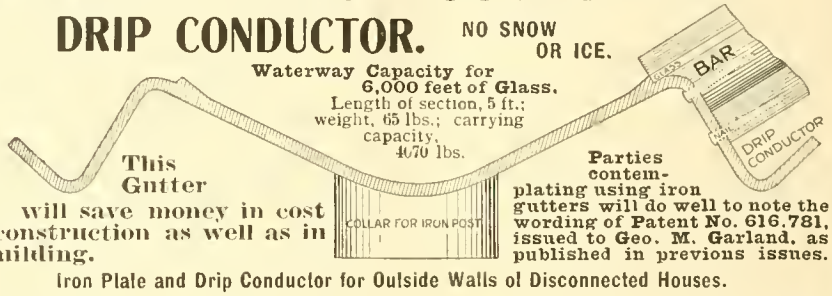

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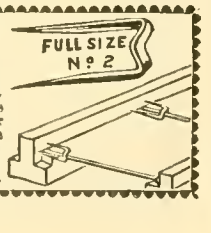

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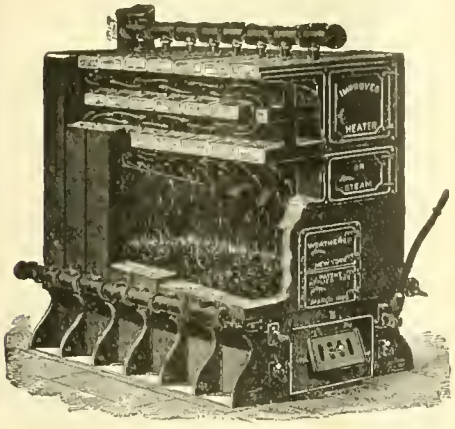

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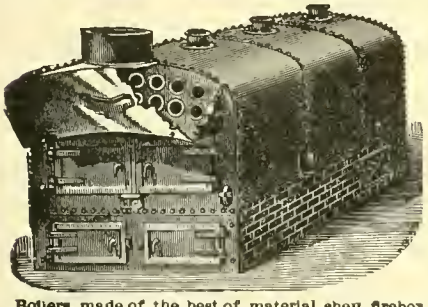

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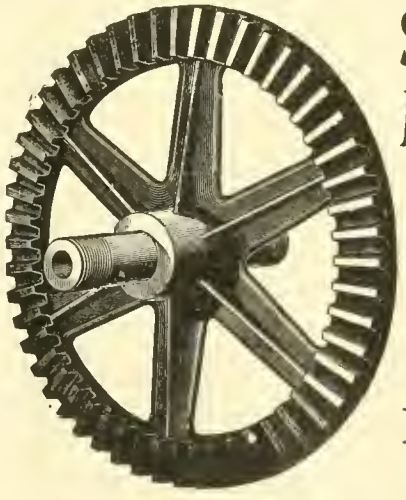

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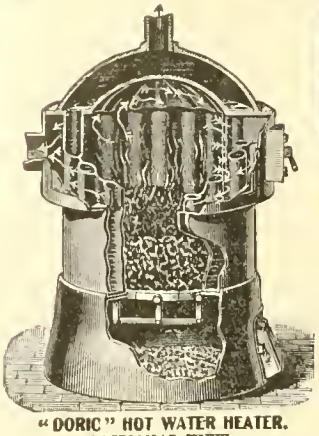

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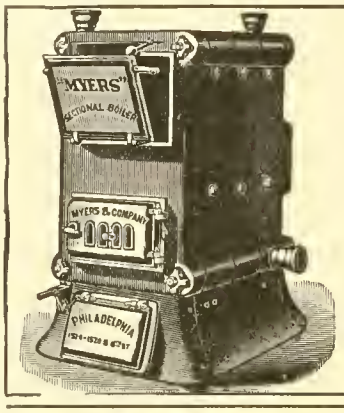

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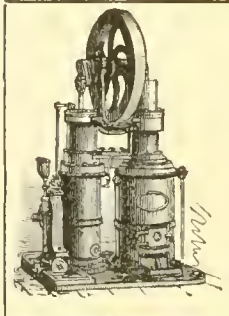

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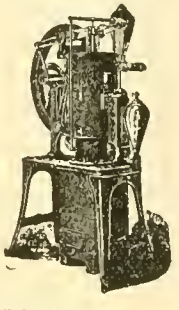

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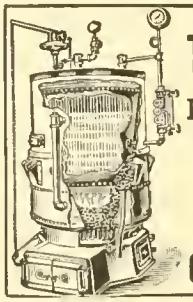

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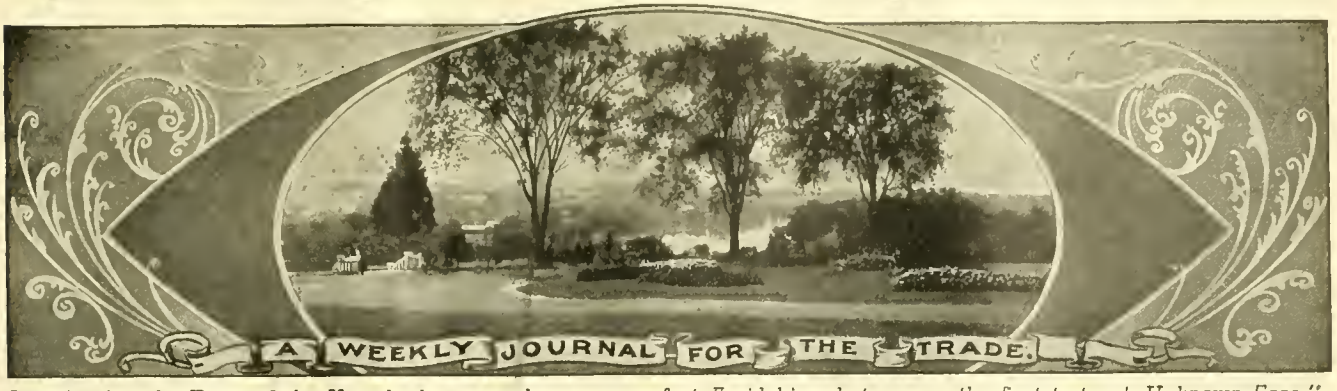

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Vol. XV. **CHICAGO AND NEW YORK, MAY 12, 1900.** **No. 623**

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Experiences Gained by the Easter Trade.

[Paper by Robert Craig, read before the Philadelphia Florists' Club, May 1, 1900.]

Your committee have asked me to say something about "Experiences Gained by the Easter Trade of 1900." I have made some hasty and random notes, which I will read to you, being fully conscious of how incomplete and unsatisfactory they are. But I am not without hope that they may prove useful in starting a discussion in which the members present will express themselves freely on the subject of plants and cut flowers at Easter, which has become the most important flower festival of the year in all parts of the United States and Canada.

Let us take a glance backward for twenty or thirty years and recall the growth of the demand for flowers and plants at Easter. As long back as I can remember (and I have been actively engaged in the florists' business for over thirty years) there has been a demand for all the cut flowers and blooming plants to be had at that time. But three decades ago, comparatively few were grown and those mostly of an inexpensive kind, such as Chinese primulas, cinerarias, gilliflowers (stocks) particularly white ones; Duetzia gracilis; a few azaleas and roses in pots, such as Hermosa and Agrippina; and a very limited number of carnations in pots. In these latter days the storemen do not care to handle cheap plants such as, for instance, those that retail at 25 cents and 50 cents, claiming, very justly, that it does not pay them to deliver such cheap plants in the great rush. Therefore the limited number of gilliflowers, small geraniums, etc., now grown are disposed of mostly on the sidewalks, where the customers pay spot cash for them and carry them off, thereby entailing no expense for delivery, while the dealers are not under the incubus of lofty rents, elaborate and costly delivery teams, and high-priced salesmen.

Now great preparations are made by those florists who make a specialty of catering to Easter trade and the finest specimens of the florists' art, both in plants and cut flowers, are to be seen at that season. The plant trade at Christmas is growing apace, too, but at that time of the year it is impossible to have such a variety as is to be had in the springtime. I think Easter will continue to be the most important part of the year, for the plantsmen at any rate. What a marvelous advance has there been in the florists' business! It is observable at all seasons of the year but has its emphatic demonstration at the time when the stores and greenhouses are so brilliant and attractive in their Easter array. I wish to be considered a young man yet, but I can recall the time when there were no florists' stores in Philadelphia; when the leading cut flower business was done by Andrew Dryburg, in his greenhouses at Nineteenth and Race streets, and Peter MacKenzie, at Eighteenth and Spruce streets, both locations being then in the suburbs of Philadelphia; and the next largest business was done by James Ritchie, in a cellar at the corner of Eighth and Sansom streets.

About thirty years ago the firm of Pennock Bros. startled the community by opening a small one-story shop on Twelfth street below Chestnut, which was regarded by Mr. Ritchie and others as a doubtful experiment. But who could conduct a first-class florists' business in a cellar now? How interesting it would be to Robert Buist, David Ferguson, James Ritchie, Peter MacKenzie or any of the old-time leaders if they could come back and see the proportions to which the florists' business has attained.

To return to our subject proper, let us "consider the lily, how it grows" and incidentally how many from Bermuda do not grow by reason of that happy, cheerful and indefatigable little animal, the bulb mite, which is eating out the life of the lily. I speak of the lily first because it always has been, and is likely always to be, the most important Easter plant. A floral Easter without lilies is hardly conceivable. Many years ago the Calla Ethiopica was the lily, and later on a few L. longiflorums were forced into bloom, under great difficulties at that time, by only a few of the most enterprising florists. The houses at that time were not so well heated as we now have them, and few of the growers were willing to use the extra coal necessary to get the old-fashioned longiflorum in bloom at that, as then considered, early date.

By the way, what has become of the original L. longiflorum, with its substantial flowers, which stood out from the stem at an angle of 45°, and which was entirely superior to the so-called longiflorum which we now get from Bermuda and Japan? I have not seen the true L. longiflorum for eight or ten years, nor the true Harrisii, either, for that matter. Those of the latter we get now are far departed from the original of the type introduced to commerce by the president of our club, whose name it very properly bears, and which will keep that name in pleasant remembrance after he has gone, which God forbid for many

years yet! May no pernicious blight overtake him such as has overtaken his lily, and may he continue to flourish "like a green bay tree."

I well recollect the first dozen plants of this lily which he purchased from Wm. Crawford, on Grays' Lane, below Woodland avenue, who had, a few years previously, received two bulbs from a lady by whom they had been brought from some southern clime. This was, I think, in 1878, in the month of February. Mr. Harris asked me, at that time, if I had ever seen such a lily in bloom at that season of the year and he predicted a useful career for the newly discovered treasure. But even he, with all his business sagacity, did not realize what a future was in store for that lily nor how millions of them would be grown every year to supply the demand in all parts of the world.

But, alas, much of its grandeur has departed! So many seedlings of it have been raised in Bermuda and elsewhere that the original and superior type, as far as I can learn, is extinct, and the so-called Harrisii which we now get from Bermuda, while inferior in many characteristics, is so badly diseased from the ravages of the aforesaid mite that the culture of the bulbs is both unsatisfactory and unprofitable. Now we have to depend largely on Japan, where the disease has obtained but little foothold. But the bulbs from Japan, although in the main satisfactory, are not always so. There are several varieties that come from Japan, some of which, even under careful treatment, come into bloom too late for Easter. I am glad to know that our good friend Peter Barr, of narcissi fame, who sojourned for a short time among us about a year ago, is now in Japan and is instructing the "Japs" as to the best varieties to grow. If they will only listen to and obey him they will reap a rich reward.

Next to the lily in importance as an Easter plant is the azalea. What quantities of these are now grown. I think the quantity was a little overdone this year, especially in the larger sizes. I allude to plants wholesaling at $3 each and over. A limited number of azaleas can be retailed in Philadelphia at from $6 to $10, and a very few at higher rates, but the most popular sizes seem to be those that retail at $2 to $2.50 and at prices gradually lessening from these figures. And how few varieties are now generally popular. The catalogues of our Belgian friends name fifty or more sorts, but here three varieties supply the popular demand, viz., Vander Cruysen, Bernard Andrea Alba and Vervaeneana, with a limited sale for Empress of India, Prof. Walters, Dr. D. Moore, Niobe, Apollo, Simon Mardner, Hermione, Dame Melane, the latter a delicate pink single varety, a profuse bloomer, and perhaps a few others.

There are two other varieties that are worthy of special mention, namely Prince Albert and Emperor of Brazil. These are both very beautiful sorts but they are late varieties and should be put into heat about four weeks earlier than most varieties. Prince Albert is particularly late if given ordinary treatment, but with more heat it comes nicely into bloom for Easter and is very pretty. New York Favorite is the name given to a pink one put on the market this year, which is of a pleasing color but has a defect in that the flowers droop somewhat. It is said by some authorities that it is an old variety renamed. We find that most of these varieties, notably Bernard Andrea Alba, Vervaeneana and Dr. D. Moore, are vastly improved by keeping over one summer in this country, provided they are mulched with cow manure and watered freely and regularly every day all summer. By this treatment they bloom more profusely and keep longer in bloom than the freshly imported ones; but it is imperative that they receive constant, careful attention, with plenty of water, all summer.

The greatest defect in the cultivation of azaleas is, to my mind, the unnatural shapes in which they are compelled to grow. They are mostly sheared off level to look like the surface of a table, or are pruned into a somewhat semi-circular shape, one branch not being allowed to project over another, and the surface being almost flat. They remind you of

THE LATE C. C. MORSE.

the bouquets made thirty years ago, which were similarly stiff and rigid, and totally devoid of graceful outline. How is it that flower-buyers reject altogether the old-fashioned flat bouquet, demanding their cut flowers to be loosely and gracefully arranged, but still accept the azaleas grown in this ugly, stiff way? But there are already here and there murmurs of discontent, and I predict that in a few years the public will demand azaleas more naturally and gracefully grown. It is a fact that some of the Belgian growers have for several years grown azaleas in natural and graceful fashion, particularly for the Paris market. We had at our place this year, a few plants of the latter kind, and intend to grow for next year several thousands of them, feeling sure they will find ready sale.

Probably the next plant in Easter importance is the hydrangea. My experience is that the best results are obtained by growing the plants plunged in pots, out of doors, all summer. The treatment for growing and forcing hydrangeas has been so often explained in the trade papers that I will not now detain you with details.

Perhaps the next plant in importance is the Crimson Rambler, a comparatively new-comer, having been introduced only six years ago and last year being the first year that it was grown in quantity. When well grown it is a grand Easter plant and has sold readily at fairly remunerative prices. It is very desirable as a small plant in, say, a 6-inch pot, selling at $1 to $1.50 wholesale, up to large specimens at $5, $7 and $10 each; and a few can be sold at as high as $15 wholesale. But the demand in Philadelphia for these larger sizes is very light; New York is a better market for big ones. In some of the fashionable stores there they can hardly get them large enough. It has better keeping qualities, as an Easter plant, than any rose I know of. The next best rose for Easter, when well done, is our old friend, Magna Charta. Take it all in all, it is the finest hybrid rose we have for this particular purpose.

It has occurred to me, in the cases of the hydrangeas and the Rambler rose particularly, that it would be a good idea to attach to each plant sold a card with an inscription upon it like this: "This plant should be soaked with water twice a day while in bloom." This would prevent much dissatisfaction from the wilting of the plants, which is sure to occur in the dry rooms of dwellings and in churches if the plants are not frequently watered. Some years ago one of our best and most practical up-town florists sent, with each hydrangea sold, a tin saucer with instructions to keep it filled with water and also to put a similar pan under each hydrangea used in church decoration. This is a practice worthy of general adoption.

I have named the four principal Easter pot plants, and will now briefly mention some of those next in importance. The genista, with its pure, bright yellow flowers, is desirable and, if well grown, much in demand. Of the two varieties, G. racemosa and G. Canariensis, the former is the better. Astilbe is also a very useful and not costly plant. Astilboides grandiflora has superseded the old A. Japonica, but A. compacta is still grown to a limited extent. Heaths are yearly becoming more popular. All the varieties are beautiful and dainty, Erica cupressina particularly so. Acacia paradoxa is also desirable in limited quantity. It does not flower very well in fall imported plants; it blooms more profusely and with finer flowers when imported in the spring and grown outdoors in the full sun all summer. They should be wintered in a cool greenhouse and should, like heaths, be grown with the pots standing on a damp, cool surface all winter. Boronias, with their exceeding grace of delicate form and dainty flowers, have been introduced by several growers in New York and have been quite popular.

I have named, I think, most of the desirable Easter plants and will conclude by brief mention of bulbous plants, which are grown in considerable quantities in pots and in shallow pans. Hyacinths, tulips and Narcissus Von Sion are seen in greatest quantity. Hyacinths, this year, have been most unsatisfactory to the grower because of the poor condition of the hyacinths received from Holland; as a rule they were of inferior quality, particularly LaGrandesse, the best white, and Czar Peter, the best blue. I am informed by the Holland growers that these two famous varieties are afflicted with disease and that some of the other varieties of lesser note are becoming constitutionally weak and therefore unsatisfactory to grow. The Hollanders have not learned how to prevent the hyacinth disease, but they might be more careful in sending over their tulips. We

FORCED DARWIN TULIPS EXHIBITED AT THE HAARLEM BULB SHOW, MARCH 16, 1900, BY E. H. KRELAGE & SON, OF HAARLEM, HOLLAND.

have noticed this year, for instance, in our batch of Coleur Cardinal, a good sprinkling of some inferior, cheap red sort. This might have been accidental; but it is certainly strange, if these mistakes be purely accidental, that we never find any high-priced tulips among the cheaper sorts. The culture of hulbs is so simple and now so well understood that I will not detain you longer. I may mention that we find it necessary to have but few hyacinths in bloom early in the week preceding Easter, as the general demand comes only as late as Friday or Saturday. We find it best therefore, to have the hyacinths showing color not earlier than Thursday. When "just right" they meet with a ready sale on Saturday.

Darwin Tulips for Forcing.

The May-flowering Darwin tulips have hitherto not heen tried for forcing to any great extent. The quinquennial bulb show held at Haarlem, Holland, March 16–20, has shown the excellent results which may be obtained by forcing these brilliant late varieties and the glorious display they produce. A group of about fifty varieties was exhibited in low pots or pans, by E. H. Krelage & Son, each containing ten to twelve bulbs of the same variety. The development of all the blooms in each pot was remarkably regular, and they were almost exactly as large and cold as in the open ground at the usual flowering period. The bulbs were forced in the usual way. Almost every pot was faultless, and it proved quite easy to have the plants in bloom before the opening of the show. It would have been possible to get them ready many days earlier if necessary. The Darwin tulips are now being generally appreciated for their dazzling colors and bold grouping effect in May, hut it may interest our readers to know that these varieties may be successfully forced to bloom as early as the first week in March. The accompanying illustration shows a few of the fifty pans which were, according to all reports, one of the chief attractions of the Haarlem exhibition.

CARNATIONS.

EARLY FIELD CULTURE.

Weather conditions seem to have undergone some radical changes within the past five years. When I first started growing carnations as a specialty, April could always be depended upon for a shower or two every week and carnation planting could be undertaken with the certainty that in a few days there would he rain enough to start the plants nicely. But during the past three years this condition has been entirely reversed and the weather naturally due in May has come in April, so that the planting of carnations has been something of a study, and the question of watering them is becoming yearly more important.

I managed to get about two-thirds of my stock out in time to catch the one good rain we have had since Easter, but the remaining one-third is yet in the houses awaiting suitable planting weather. That "the early bird catches the worm" is especially apt in carnation growing. Early planting in the spring, early housing in the summer, and good results are almost a certainty. When one is delayed in planting the best thing to do is to rush the belated stock along so as to have it ready for early planting in the houses. The best way to do this is to add a little extra fertilizer to the soil. A little bone meal or any good phosphate will do the work if properly used, but if misapplied the stock would be a thousand times better off without them.

Watering is out of the question with most growers, but where it can he done no better investment can he made, but a mere sprinkling does far more injury than a drought could do. When watering is done it should be applied in such quantity that it soaks into the soil to a depth of at least three inches and then, as soon as the top is dry enough to work stir it up well, so that the loose soil will act as a mulch and make such a watering once a month more beneficial than a dozen lighter ones. The best results from watering will be obtained if it is done between the hours of 6 p. m. and 6 a. m.

Where watering is not practicable the next best thing to do is to cultivate continually, keep the weeds down and the soil loose enough to act as a retainer of the moisture beneath the surface. Plenty of water is the carnation's constant need, and when water is lacking every attention must be paid to its other require-

ments so that it may not become stunted and diseased.

After the plants have started growing in the field do not be everlastingly cutting at them. Give them a chance to make some growth and form good roots. Whenever a branch shows signs of forming a bud it can and should be cut back far enough to keep the plant in good form, but be sure that it is cut and not broken or pinched out. The difference between a cut and a break does not mean success or failure, but it is decided enough in favor of the cut to pay you to adopt that method of topping.

When the plants are suffering from drought they are usually attacked by all sorts of insect enemies and a good, careful watch should be kept for these and their extermination started as soon as discovered. ALBERT M. HERR.

A Natural Check to Carnation Rust.

During a visit to one of the carnation houses in the vicinity of Flatbush, L. I., about March 20, some plants of the variety Daybreak were observed upon which the rust was not normal in appearance. A careful examination showed the unusual appearance to be due to the presence of a second fungus, Darluca filum (Biv.) Cast. The darluca appears usually as a discolored, blackish, area of irregular shape, often including within its limits several pustules of the rust, though this feature is not always present. Some of the specimens showed only deadened areas upon which there were scattered minute black specks, the pycnidia of the darluca. The two fungi are closely interwoven within the tissues of the carnation, the rust drawing its food from the plant, the darluca taking its sustenance from the rust. The rust tends to weaken the carnation, but is in turn weakened by the darluca, especially in those cases where the latter is in the form of specks on a dead area. In such a case only a few rust spores would be able to mature.

The pycnidia of darluca produce about a thousand spores each, and there are often as many as a dozen pycnidia in a pustule of the rust, so that the possible effect of the fungus may be estimated. The same fungus attacks rusts of several other plants, especially that of asparagus. It may be that darluca may be artificially introduced into houses through the use either of such a crop or, more probably, by the use of a spray containing the spores of darluca. This could be easily prepared by breaking infested asparagus stalks into water, which after thorough stirring could be sprayed upon the plants. There would be no danger of producing rust from the asparagus rust spores, as that rust is as distinct from the one on carnations as are chrysanthemums and crocuses. The darluca spores germinate easily in moisture and soon become attached to the rust threads in the tissues of the carnation, being most prominent in the vicinity of the pustules of the rust, where they almost fill the tissues.

The accompanying figures show the appearance upon the leaf, enlarged about three times; and a magnified view of an infested pustule of rust.

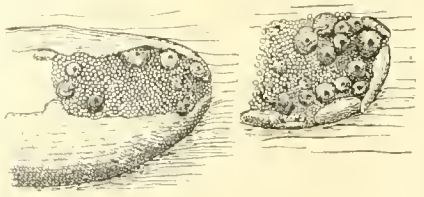
FREDERICK H. BLODGETT.

WESTERLY, R. I.—S. J. Reuter has begun the erection of three new rose houses, each two hundred feet long. The material was supplied by Thos. W. Weathered's Sons.

The Rusts of Florists' Plants.

In a recent lecture before the Massachusetts Horticultural Society, Prof. Byron D. Halsted, of the New Jersey Agricultural College Experiment Station, New Brunswick, N. J., spoke in part as follows:

"There are at least three rusts that have made themselves prominent among ornamental plants during the past few years. A leading rust in the flower garden is that of the hollyhock (Puccinia malvacearum Mont.) which came into this country in 1890, and spread with remarkable rapidity and fatality. It develops upon all parts of the hollyhock, as the leaves, stem and floral parts, causing them all to sicken and die. This rust is a good illustration of those that have only the teleuto form of the spore and the sporidia that grow directly from it. In other words the cluster cup and uredo stages are omitted, and the first stage becomes the last, so far as spore development upon the host is concerned. The great rate at which the fungus spreads is to be accounted for largely because it hibernates as the living mycelium in the hollyhock, the young leaves of which exist as a rosette through the winter. As the warm moist weather comes the orange patches upon the foliage enlarge and quickly develop spores that almost at once form the sporidia, which rapidly spread the rust to other parts of the hollyhock. Another observation that may be made in connection with the hollyhock rust is its scarcity at certain times. For example, in 1898 there was an abundance of hollyhock rust, while a year later there was almost none upon plants badly rusted the year before. It may be said in explanation that the conditions were unfavorable for the disease and the health of the plants was restored. Good growing weather with no excess of moisture is the best ally of the victim, and if it comes in time, many kinds of plants will recover from an attack that might be otherwise disastrous.



PYCNIDIA OF DARLUCA IN PUSTULES OF CARNATION RUST.

SURFACE OF CARNATION LEAF SHOWING DARLUCA.

Another new rust is that of the carnation (Uromyces Caryophyllinus Schr), which reached us, probably from Europe in imported stock, in 1891, and is still in evidence in nearly all parts of the country. The conditions here are quite different from the open garden, for heat and moisture and a more or less confined air in the greenhouse supply the surroundings favorable for the growth and spread of the rust. The spray from the hose in watering, for example, is one of the best means of carrying the spores from a diseased to a healthy plant. The experiments that have been made with this disease are somewhat limited, but they go to show that preventive measures are better than attempted cures. From the fact that the carnation is largely an indoor plant and propagated by cuttings, it goes without saying that the stock should be healthy from which the cuttings are taken, and no rusted plants should be introduced into a house previously free from rust. One rusted plant under the circumstances of greenhouse growth may be ample to inoculate a whole bed, and this accounts for the sudden outbreak of the rust in houses hundreds or thousands of miles apart. Carnation growers are gradually acquiring a knowledge of the susceptibility of varieties and are finding some sorts in this respect much more valuable than others.

The latest claimant for our attention among the greenhouse rusts is that of the chrysanthemum. As yet the advent of this importation from Europe has not been traced back of 1896, when it was found by Mr. Hastings, of Fitchburg, Mass., and reported by Dr. Stone in the ninth annual report of the Massachusetts Experiment Station. From foreign correspondence it is gathered that it was rampant in France and then spread throughout England, where it was very destructive, particularly in 1898. With us it has increased quite rapidly during the past three years, and during the last one it has become decidedly troublesome. Up to the present time only the uredo form has been met with upon American plants and therefore it is impossible to be sure of the species. While this is interesting from the standpoint of the botanist it may be of no great economic importance. However, if the other forms are associated with the dandelion or similar related common wild species the bearing of this knowledge upon the checking of the rust is at once apparent. This disease is so recent with us that there is very little in the line of remedies that has been determined experimentally. It being a greenhouse plant propagated by cuttings, the precautionary measures are practically the same as with the carnation. The two rusts are, however, very distinct, belonging to different genera of fungi, and not transmissible from one host plant to the other.

Foliage Plants for Bedding.

As the time approaches for the re-arrangement of outdoor gardens the subject of bedding plants becomes one of interest to a large proportion of the trade. Many buyers doubtless have their minds fully made up on this subject before interviewing the florist, but there are also many others to whom a suggestion will be welcome, especially if such advice is not merely in the direction of increasing the amount of the order, but is also given with a view to furnishing the most satisfactory result for a given location. For example, a wind-swept lawn is not the proper place on which to plant an Abyssinian banana, nor will the best results be obtained from a canna bed that is placed in the shade of a group of trees. Nevertheless, each of the plants mentioned may be entirely satisfactory when given their proper place in the garden, that of the banana being in a partially sheltered spot where its magnificent leaves will not be torn to ribbons as soon as they are unrolled.

Cannas will unquestionably be planted in immense quantities again this season, for we have no other class of plants that give such fine effects in both flowers and foliage, and at the same time require so little attention as these same improved cannas. When nicely done, the crotons always attract much attention, though it appears that these fine foliage plants give better results in some of our eastern and southern cities than they have done in the interior, and it seems as though reasonable proximity to the ocean may be especially beneficial, though it is doubtful if they would stand being near enough to get any of the salt spray; but wherever crotons are bedded they should be so planted as to give an immediate effect, the plants being massed quite closely in the beds, and unless the season be a very early one crotons should not be planted before June 1. Strong and healthy young plants from ten inches to two feet in height are the best for bedding, and these should be hardened off for ten days or more in a cold frame before planting. Broad leaved varieties are the most effective, such for example, as Hillianum, Alexander III., Dayspring, Queen Victoria, Evansianus and C. variegata.

Ficuses of various kinds also do well in the full sunshine, only requiring a rich soil and plenty of water to produce stronger and better foliage than the same species will do under glass. The ever popular Ficus elastica and also its variegated form are excellent, while F. Chauvieri, F. macrocarpa, F. dealbata and F. Porteana are also highly ornamental. A rather heavy mulching of good manure on the surface of the bed will be found very helpful to the ficus, this dressing being added two or three weeks after planting, by which time the roots will be moving.

Several of the aralias and their near relatives, the fatsias, may be used to advantage outdoors, some of the smaller growing species doing well as vase plants. A notable instance of this kind is found in Aralia Veitchii, a plant often looked upon as being very tender, and yet in a vase that is placed in a partly shaded position this plant is not only very pretty but also stands well, the greatest objection to its more extended use being found in the comparative difficulty of its propagation, for cuttings root very slowly indeed, and consequently the greater number of plants are grafted on A. reticulata or some other free growing species. Aralia Guilfoylei and A. leptophylla may also be used in outdoor gardening. Fatsia papyrifera, the "rice paper plant" of the Chinese, is a free growing subject in the open air, and its large leaves are quite effective in a bed of mixed foliage. Fatsia Japonica, known to many as Aralia Sieboldii, is also a useful species, both this and the preceding species being very readily increased, either by seeds or by root cuttings, the latter method producing young plants almost as freely as bouvardias may be had by a similar plan.

Sanchezia nobilis is occasionally seen as a bedding plant, and in fact has frequently been used for sake of variety in both park and cemetery gardening. The form of this known as S. glaucophylla is a very strong grower, and when well manured and watered produces some very fine foliage. Cuttings of sanchezia root very readily in a warm house, and young plants that have not been checked or starved are the best for outdoor use. Caladium beds are sometimes met with in our eastern parks and gardens, and by this is meant not merely the so-called "elephants ear," C. esculentum, an admirable plant for large beds, but also some of the variegated varieties. The latter are not adapted for planting in the full sunshine, however, but rather in such a location that they may be sheltered from the afternoon sun by a building or a group of trees. But in any case these caladiums should have a rich and rather sandy soil and an abundance of water, and those varieties having very thin and nearly white leaves are not adapted for such use, the choice being preferably restricted to such strong varieties as Duchartrei, Wightii, Chantinii, Alfred Bleu and De Candolle.

Pandanus Veitchii and the variegated phormiums form a welcome addition to the available stock for use in a mixed bed of foliage plants, and both of these species grow well under such conditions, providing they are not allowed to suffer for want of water. The propagation of Pandanus Veitchii by cuttings has been so often described in these pages that it does not need repetition just now, while the phormiums are usually increased by division, for seedlings are likely to revert to the original green form.

Those very hot and exposed positions, for instance, a vase on a balustrade, require plants that cannot readily be killed, and this is particularly so if the vase in question be one of those ornamental but far from perfect cast iron contrivances, the sides of which are excellent conductors

CARNATIONS AND ASPARAGUS.
(How they are sometimes used for the opera and like events).

for the sun heat. In such a case there seems to be few better plants for the purpose than Yucca quadricolor, or an agave, with a carpeting of sedum, for it is a difficult matter to keep a less enduring plant in condition for any length of time. W. H. TAPLIN.

New York.

CONDITIONS NOT FAR REMOVED FROM SUMMER.—VIOLETS DID WELL.—LILAC IN ABUNDANCE.—ROSES OF SUMMER QUALITY.—THE MATTER OF PROFITS.—BUILDING STILL PROGRESSING.—THE PLANT MARKET.—EARLY VISITS ADVISED BY A BUYER.

After a spell of very fluctuating weather we seem now to have come to a period of summer temperature, with its exhaustive effect on indoor crops. Violets are done for; their season is over and that it was a good one, no reasonable violet man is inclined to deny. Outdoor tulips are practically over already and lilacs are just coming in. The purple variety sells in enormous quantities but very cheap; for the white ones good figures are asked and, being scarce, they go to the select stores, while the purple ones go to the Greeks. There is some outdoor lily of the valley in but it stands no show alongside the indoor stock, which is of superb quality at present. Among the odd things noted in a trip among the wholesalers are some purple asters equal to summer grown flowers, but there is no advantageous place for them in the market under spring conditions. Snapdragons, in various colors but mostly white, are seen in considerable quantity.

Roses are still abundant but rather less of an oversupply than was the case last week. Some gowers still maintain good color and other desirable characteristics in their product but in most shipments the effect of the increasing temperature is quite evident and quality is bound to tend steadily downwards hereafter, as the experience of each year has shown, and it will not be long before planting for next year's crop will be under way with those who like to open the fall campaign with good, salable stock. The customary dissatisfaction with returns for roses in the wholesale market which is always noted when values fall has been in evidence ever since Easter and we hear much of "gluts" and "drugs" but there does not appear any good cause for reasonable complaint regarding market conditions, from the standpoint of the producer. A stubborn resistance on the part of the wholesale commission dealer is logical enough since it costs him as much to sell a hundred roses for $1 as it does at other times to sell them for $10 but his commission is cut down to a fraction.

If the business is so badly run down as the mourners would have us believe it is hard to understand the reasoning of those who are constantly increasing their investment by large additions to their glass area or to fathom where the money comes from to pay for it all. The fact is that the complaints of unremunerative trade conditions are based not so much upon the facts of expenditure and receipts as upon comparison with antiquated price lists. That a rose which commanded $20 a hundred a dozen years ago brings only half that figure at a corresponding date in the wholesale market now does not necessarily indicate that it is being grown at a loss.

To be of any value comparisons must also take into consideration every advancement in cultural methods, greenhouse construction, etc., and the general and technical knowledge that has been so widely disseminated through our societies and our horticultural literature. The resultant economy of operation and the maximum quantity of high grade product now obtainable from a given area must have an important bearing on the broad question of whether the business of rose forcing for the wholesale market under present prevailing conditions is profitable or not. Of course, the man who is too stubborn or too conceited to avail himself of the immense educational advantages offered by the Society of American Florists and who has no use for the trade papers, can find fault with himself only if he gets shuffled out in the shuffle.

The plant market is said to be booming daily and the frequenters of that enterprising neighborhood report satisfactory progress. Deponent cannot testify from personal knowledge, however, for he has it upon the authority of no less reliable a personage than Mr. Johnnie Weir, of Brooklyn, that to see the plant market at its zenith one must be there not later than 3:15 a. m. As to Mr. Weir himself, he is reputed as never to sleep but his eyes do look a trifle heavy these days; possibly his pocket book has a compensating heaviness as a result of the early market visits. The only trophy in sight, however, is a pair of very peculiar dice with spots representing odd numbers only, which Mr. Weir thinks must have been made for some sinister purpose, a view in which his friend Mallon, also of Brooklyn, with a knowing wink, fully coincides.

There was a very attractive exhibition of plants and flowers at the monthly meeting of the American Institute on Wednesday, May 9. H. A. Siebrecht & Son made a large general display of orchids, Begonia Gloire de Lorraine, greenhouse plants and outdoor garden flowers. Orchids from Julius Roehrs and Lager & Hurrell were very fine. Julius Roehrs and A. K. Pettit showed calceolarias of high merit. The Queen of Edgely, from The Floral Exchange, showed up well and there were handsom carnations from C. W. Ward and J. G. Hayden. Other exhibits were wild flowers from the New York Botanical Garden, herbaceous and shrub flowers from Geo. W. Childs and sweet peas from G. M. Hay. A meeting of the committee on the organization of the New York Society of Horticulture was held at the same time.

Sigmund Geller has moved to 108 West Twenty-eighth street, next door to J. K. Allen's summer garden, where he has opened up a big stock of baskets and general florists' supplies, with abundant room to do a big business in the same.

Visitors in town: E. M. Wood, Natick, Mass.; H. C. Geiger, Philadelphia; Mr. Van Leeuwen, of Beerhorst & Van Leeuwen, Haarlem, Holland.

Boston.

SPRING EXHIBITION AT HORTICULTURAL HALL BROUGHT OUT GOOD MATERIAL.—NOTES OF THE EXHIBITS.—STATE OF THE CUT FLOWER MARKET.—OVER-SUPPLY STILL THE RULE.—FLORIST MEETS A BATTED BALL.—OTHER NOTES.

The annual May exhibition of the Massachusetts Horticultural Society, on Saturday, May 5, brought out the usual creditable display, the lower hall being nicely filled up with the exhibits. Fine groups of calceolarias from Mrs. B. P. Cheney, azaleas from Dr. C. G. Weld, pelargoniums from E. J. Mitton and C. H Souther, orchids from J. E. Rothwell and amaryllises from J. S. Bailey were among the showiest features of the plant section. The amaryllises were all seedlings raised by Mr. Donald and besides being of good form and color were noticeably short and sturdy. The same exhibitor received a silver medal for a nice specimen of Kentia Sanderiana. C. H. Souther was given a certificate of merit for a new, very large flowered marguerite. A group of streptocarpuses from Dr. Weld attracted considerable attention. The cut flower display was not so strong in tulips, narcissi and pansies as heretofore, the late season being evidently responsible. Dr. Weld and Edward Powell were the principal exhibitors of bulbous flowers and Mrs. Gill of pansies. H. A. Wheeler showed orchids and gloxinias, James Comley fine rhododendrons, N. F. Comley Japan irises and D. Carmichael received honorable mention for his new pink carnation, Eleanor Ames. Mr. H. C. Geiger, of the Floral Exchange, Inc., was present with a grand vase of the new rose Queen of Edgely, which was greatly admired by amateurs, commented upon favorably by the profession and awarded a silver medal by the committee.

The cut flower situation is still characterized by plethora in the wholesale establishments, free and easy independence in the retail stores and chattering aggressiveness among the street fakirs. The flower boxes that have done duty for the past season begin to look as though a load of coal had fallen on them but the growers who own them show no signs of hard usage and have that air of conscious proprietorship which tells unmistakably the story of a prosperous season and a well filled pocket. The plant trade is regarded as very promising and prices are cheerfully paid at the auction rooms that corroborate this view.

Martin Reukauf, representing H. Bayersdorfer & Co., of Philadelphia, has been in town for a week and struck it rich on Decoration day goods and graduation baskets.

W. H. Long was badly injured a few days ago by being struck in the eye by a batted ball while walking to his place of business and had to be taken to the hospital.

Other visitors: Ernest Saunders, Lewiston, Me., and E. Hanft, New York city.

Philadelphia.

VARIABLE WEATHER HAS DISASTROUS EFFECT ON ROSES.—POOR GRADES PROMINENT.—PRICES LOW.—SEASON GENERALLY A GOOD ONE.—PLANTS NEARLY SOLD OUT.—VARIOUS NOTES.

Summer is approaching; there is no mistake about it, and yet, with the thermometer registering 40°, as it did on Wednesday evening, it seemed as if winter wanted to give just one more chill before he bid his final adieu. Yet the day before the weather was very warm, 70° being the mark quite late in the day. Ours is certainly a changeable climate. The roses show the effects of these sudden changes, many crops being badly mildewed, Bridesmaids seeming to suffer most. Prices are as low as any buyer could wish and, in fact, much below the expectations of the growers. Still we hear no very loud complaints and it seems to be settled that the past season will average up better than for a long time. There is but little change from the figures of a week ago except that sweet peas are offered now as low as 50 cents

per hundred and sell from this figure up to $1.50 for the extras. Many varieties of plants are being sold out. Good pot roses are very scarce, there being very few, if any, left. Late Ramblers have sold very well and are about gone. Moonflowers require a lot of hunting and altogether it looks as if there will be but little of anything left by Memorial day, which date generally winds up the planting out season about here.

Whether the supposed profits of the growers, or a part of them, shall go into sash is yet to be seen. Joseph Heacock has just completed a large house for palms, and there will no doubt be others soon to follow. Something may spring up at Riverton soon, as the Dreer nurseries broke all records with the past season's business. A traveling salesman for several large growers in this neighborhood says he had to come home because there was nothing more to sell.

One of the carnations that is showing up best at present is the Ethel Crocker. It was one of the first to get into condition last fall and is now almost, if not quite, as good as at any time this season. It certainly is a fine variety.

We notice that florists of other cities are having trouble in getting passage on steamers for their European trip. Not so here; we have yet to hear the first complaint from any of Philadelphia's growers or dealers on this point. K.

Chicago.

MARKET STILL GLUTTED WITH POOR MATERIAL.—OUTDOOR STOCK HURTS SALE OF CHEAP ROSES AND CARNATIONS.—GROWERS ARE REPLANTING. — CARNATIONS NEARLY ALL IN FIELDS.—THE PÆONY PROSPECTS.—A WATER TANK.—THREE CONVENTIONS NEXT MONTH. — GOOD HYDRANGEAS.—VARIOUS NOTES.

Although cuts of roses and carnations have diminished materially during the week the market for these staples shows little improvement owing to the slowness of local demand and the competition of outdoor material. There are oceans of good lilac and many street fakirs handle little else, it can be bought so cheaply. Then there are pæonies, gladioli, viburnums and tulips. There are great quantities of Blanche Ferry sweet peas about, more than can be moved, and too many narcissi, in fact too much of everything, but the growers are throwing out their old stock and replanting the houses and it is predicted that the supply will be down to within a reasonable distance from the demand in a week or so. But at the same time there needs to be an improvement in the quality of roses and carnations; with the present great volume of supply, really good material is scarce.

The planting of carnations is now well underway, in fact completed by several extensive growers, and some big fields are in evidence, but it is expected that there will be comparatively few field-grown plants offered in this territory at time for benching, for the fact that all the big growers will require increased supplies for themselves this year because of their new ranges.

A. Kennicott, who last spring had virtual control of the pæony product, gives it as his opinion that this season's supply will considerably exceed last year's, particularly in this market, and that prices will be lower. He states that he does not propose to dabble in pæonies this year.

Albert Amling has added to his equipment a tank with a capacity of 500 barrels of water and elevated thirty-five feet above the ground. He has his carnation field piped from this tank. Mr. Amling is figuring on rebuilding part of his range next year.

Chicago will entertain three conventions in the first two weeks of June, the Park and Outdoor Art Association June 5 to 8, the American Seed Trade Association, June 12 to 14 and the American Association of Nurserymen June 13 and 14.

August Jurgens had some of the finest hydrangeas imaginable this season and, although many of the best were not ready until some time after Easter, the leading retailers found them not only decorative but very salable.

Washington Park never had a better tulip display than that which is now on. The plantings are larger than usual and the bulbs started very evenly. At Lincoln Park they also have a big showing and it is attracting many people.

Phil. Hauswirth spent several days this week at East St. Louis as a delegate to the State Great Council of the Improved Order of Red Men, incidentally calling upon the St. Louis fraternity and returning home Thursday morning.

Superintendent Andrews, of the public schools, informs us that the high schools of this city will close this year on June 22, reports to the effect that they would close May 23 to the contrary notwithstanding.

The demand for bedding plants around Chicago is surprising when the trade troubles and increased prices are taken into consideration. Conservative estimates place the increase over last year at thirty per cent.

J. A. Evans, of the Quaker City Machine Works, Richmond, Ind., was in town this week, more genial than ever, the cause whereof is said to be a first baby boy at his home.

G. H. Pieser, secretary of the Kennicott Bros. Co., left yesterday for a two weeks' stay at West Baden for the benefit of his health.

M. F. Kyle, who is with the Dunkley Floral Co., at Kalamazoo, Mich., has been in town for a few days' visit with his son, who is at Kennicott's.

S. M. Michaels, one of the well known characters in the market, has attained the dignity of a very neat store at 594 West North avenue.

"Cash" Bridgeford, who has run a profitable store on Jackson boulevard for a year and a half, has closed up for the summer.

Kroeschell Bros. Company reports that the inquiry for greenhouse boilers was never heavier than at present.

J. D. Thompson, of the Chicago Carnation Co., Joliet, Ill., is in New York this week.

Lee Walz, recently with A. Lange, of 51 Monroe street, is now looking for a position.

San Francisco.

PROSPEROUS PERIOD FOR PACIFIC COAST FLORISTS.—TRADE NEVER BETTER AT THE GOLDEN GATE.—EASTER BEATS ALL RECORDS. — SOME EXCELLENT STOCK NOW AVAILABLE.— PROSPERITY LEADS TO NEW GLASS.—WHAT THE GROWERS ARE DOING.—PERSONAL JOTTINGS HERE AND THERE.

The season's trade has been the best that has been experienced in this city for many years. Nearly all the stores sold out completely at Easter and more stock could have been disposed of had it been available. Lilies sold readily at all the stores at from $4.50 to $5 per dozen. A great number of potted lilies were also disposed of at from $1 to $1.50 per plant. A very fine lot of Crimson Ramblers came into the market a few days before Easter and good plants sold readily for $2.50 each. Roses were in good supply with the possible exception of Beauties. In carnations Sievers' sorts easily took the lead; Hobarts sold for $2 per dozen and the other Sievers' varieties brought $1.20. Hannah Hobart is without a doubt the finest carnation that has ever been seen here. The market is now receiving some fine potted tulips, which are being quickly disposed of, Schwerin and Sievers & Co. being the chief sources of supply. Violets are still coming in but are of poor quality. Sweet peas of all colors can now be had in limited quantities. Adiantums are beginning to come in more freely lately and are taking the place of the wild adiantums, which the florists have been using. There is quite a sale for blue and yellow irises at 50 cents a dozen.

M. Lynch, of Menlo Park, was the first grower to bring in sweet peas this season. He had Earliest of All in bloom in February. This is undoubtedly the finest sweet pea to grow for early blooming, being from two to three weeks ahead of Extra Early Blanche Ferry.

Angelo Vatterone, well known among the florists of this city as an expert bocchi-ball player, has engaged with Pelicano & Co. Mr. Vatterone and Mr. Pelicano have signed to play a championship game at an early date. All the craft will be on hand to witness the contest.

Thos. H. Stevenson is making quite extensive alterations on his nursery at Mill Valley. He has four acres planted in violets and expects to grow all he will need for his own use this fall.

John Gilmore, who was in charge of E. W. McLellan's greenhouses, is building a very fine range of glass at San Lorenzo. Mr. Gilmore is going to grow roses and carnations chiefly.

Chas. Navlet, of San Jose, passed through this city during the week on his way to Sacramento. Mr. Navlet says that Easter was the best ever experienced in San Jose.

Ferrari Bros., on the San Bruno road, have received 1000 plants of the new rose Liberty. Mr. Simmons, at Oakland, is also going to plant 500 of the same variety.

John H. Sievers & Co., are sending in some very fine Bermuda grown longiflorums. They are the best that have been seen in this market for many seasons.

John Carbone, of West Berkeley, is adding some more glass to his nurseries, to be devoted exclusively to the new carnations.

P. Nicholson is to add several more houses to his plant. They will be devoted exclusively to roses.

E. W. McLellan and Alfonse Pottet brought in a good lot of Crimson Ramblers at Easter.

Mr. Baldocchi, of Podesta & Co., who was very ill, is all right and around at the store again.

Pelicano & Co. and Sievers & Boland are out with two very swell new delivery wagons.

Al. Navlet, of San Jose, leaves soon for Paris and will be absent four months.

Goldstone Bros. have opened a new flower store on O'Farrell street.

Wm. F. Dreer, of Philadelphia, was a recent visitor.

Lewis Chiappari is preparing for a trip to Europe. METEOR.

THE AMERICAN FLORIST

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No Special Position Guaranteed.

Discounts are allowed, **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

The shy sweet peas thrust forth their heads
And looked around for rain;
But, finding they had struck a frost,
They hustled back again.
—*Chicago Journal.*

THE past two weeks have seen the production of greenhouse glass greatly curtailed.

WE are in receipt of a copy of the proceedings of the ninth annual meeting of the American Carnation Society at Buffalo, N. Y., February 15–16, 1900.

A SPECIAL cablegram from Brussels, dated May 10, announces a combination of all the glass industries of France, Germany, Belgium and Bohemia.

IT is reported that the glass trust, being short of supply to go through the summer, is negotiating a purchase of 260,000 boxes in Belgium. The country's total importations for last year were only 786,494 boxes.

THE Texas State Floral Society has issued its schedule of liberal premiums for its fifth annual fall show to be held at Waco, Tex., November 13 to 17. The prizes for cut blooms and plants amount to $1,308.75 and the premiums for fruits and vegetables are $133.

IT remained for a Chicago florist to take advantage of the structure of many bromeliads, which enables them to retain a large quantity of water at the bases of their leaves, by using the plants as receptacles for cut blooms of other plants. We saw a tillandsia used in this way recently for flowers of Trillium grandiflorum and the effect was odd and rather pleasing.

Snails Among Adiantums.

ED. AM. FLORIST:—We are bothered with snails among our Adiantum cuneatum plants. Will you kindly advise us of the best method of exterminating them?
F. R. W.

One of our readers states that he keeps toads in his greenhouses to keep down snails and other night raiding pests; another scatters lettuce leaves, sliced potatoes or sliced apples about the benches and catches the snails while feeding after dark, or under the bait the next morning; another uses bran as bait, placed about on pieces of board, and another finds that camphor balls, such as are used for keeping moths out of garments, scattered about among the plants will either kill the snails or drive them away. It is also said that dry lime dusted among the plants will destroy the snails.

Greenhouse Building.

Indianapolis, Ind.—Bertermann Floral Co., one house 16x100.

Somerville, N. J.—W. F. Duke, range of plant houses.

Middletown, R. I.—Mrs. W. R. Hunter, conservatory.

Berkeley, Cal.—John A. Carbone, range of carnation houses.

Wyncote, Pa.—Jos. Heacock, palm house 26x250.

San Francisco, Cal—P. Nicholson, range of rose houses.

Fairbury, Ill.—Kring Bros., carnation house 30x125.

San Lorenzo, Cal.—John Gilmore, range of houses.

Spring Valley, N. Y.—A. S. Burns, Jr., two commercial houses each 22x200.

Catalogues and Cut Flower Price Lists Received.

Chicago House Wrecking Co., Chicago, Ill., second hand material; Henry F. Michell, Philadelphia, Pa., bulbs and greenhouse supplies; John C. Teas & Son, Carthage, Mo., trees and shrubs; Germain Fruit Co., Los Angeles, Cal., California native flower seeds; The N. J. Moss and Peat Co., Barnegat, N. J., moss and peat; John Forbes, Hawick, Scotland, begonias; C. C. Pollworth Co., Milwaukee, Wis., plants; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; E. H. Hunt, Chicago, Ill., seeds, bulbs, cut flowers and fertilizers; Leo Niessen, Philadelphia, Pa., cut flowers; E. C. Amling, Chicago, Ill., cut flowers; Wm. F. Kasting, Buffalo, N. Y., cut flowers and florists' supplies; Pittsburg Cut Flower Co., Pittsburg, Pa., cut flowers; J. B. Deamud, Chicago, Ill., cut flowers; McKellar & Winterson, Chicago, Ill., plants and cut flowers.

OBITUARY.

FRANK S. PAYNE.

Frank S. Payne, a well known florist, was found dead in his barn at Charlotte, near Rochester, N. Y., on May 6. He was 45 years of age and leaves a widow and one daughter.

JOCOB SIZE.

The venerable gentleman who has for many years represented the Whilldin Pottery Company in New York city, died last Saturday, May 5, at College Point, L. I. Jacob Size was 79 years of age and enjoyed the friendship of nearly every florist in his territory.

MRS. H. W. C. SIEBRECHT.

Mrs. Henry W. C. Siebrecht, mother of H. A. and W. H. Siebrecht, died at Astoria, L. I., on Saturday, May 5, aged 77 years. The funeral services were held on Monday evening and the burial was on Tuesday. A very large number of handsome floral pieces were sent by prominent New York florists. Mr. Siebrecht, who survives his wife, is 81 years of age. Besides the two sons named above, Mrs. Siebrecht leaves two daughters.

C. C. MORSE.

Charles Copeland Morse, who died at his home at Santa Clara, Cal., May 5, 1900, was born in Thomaston, Maine, September 15, 1842. His father died when the son was but four years of age and he was taken to live with his grandfather, Charles Copeland, on a small farm near Warren, Me. There was little in the future for him then, for his grandfather was in very straightened circumstances and all had to work hard to live. At the age of seventeen he decided to go to sea, hoping to become, in time, the captain of a vessel. He shipped on the Iola Wiley, Capt. Patterson, of Warren, Me., in the fall of 1859, for Bordeaux, France, and after the ship discharged her cargo there, reloaded for New Orleans, then reloaded for a Russian port. After a hard trip to the English Channel the ship was run down by a steamship in the night and sunk, off Dungeness Point. The crew took to an open boat and landed on the beach next morning. The captain brought suit against the steamship owners in London and Mr. Morse was retained as a witness, staying in London all winter, so that he was able to learn something of the great metropolis at that time. The captain won the suit, and then Mr. Morse reshipped on the ship S. Emerson Smith, Capt. Creighton, of Thomaston, Me., for St. Johns, New Brunswick, and, on arriving there, went home for a few months' visit with his mother in Warren.

Having found the sea distasteful, Mr. Morse determined to leave it and, with the help of his elder brother and an uncle, was able to get enough money for the journey to California. He traveled via the Panama route and landed in San Francisco in the spring of 1861, at the age of nineteen, and after trying to get employment at various things without success, he went to Virginia City, Nevada, and remained there about a year, employed in running the brakes for a hoist in one of the large mines on the Comstock lode, and later in getting out wood in the hills near by in partnership with a young man about his own age. He made a little money in this venture but disliked mining life and left Nevada, going to Santa Clara valley. After various attempts to find some suitable employment he determined to learn a trade and be independent of wages from others, so at the age of twenty-three he launched out in the house-painting business in the town of Santa Clara. He had no knowledge of paint, painters or painting when he started but soon learned and made a success of it, taking with him as a partner, later on, Chas. L. Brown, and under the name of Morse & Brown the painting business was carried on for four or five years.

At the age of thirty-four, or in 1877, the partnership of Kellogg & Morse was formed for the purpose of buying out the seed business established in Santa Clara in 1875 by Rev. Wilson, late of Rochester, N. Y. Mr. Wilson had been a seed grower near that city for some years, and with his knowledge of seed growing and acquaintance with some of the trade, had been able to establish something of a business, which he sold to Kellogg & Morse for some $12,000. It required some extra capital to care for and harvest the first crop, but Mr. Morse was equal to it from his savings from the painting business, which he had continued up to the time of his new departure. The acreage was then but about fifty acres and California seed was untried and received by the trade with considerable prejudice, but the business was pushed vigorously and increased steadily in spite of many ups and downs. In 1888 Mr. Kellogg retired from the business and the firm name was changed to C. C. Morse & Co. and in 1896 the business was incorporated, all the stock being held by his family.

Mr. Morse was a devout Christian from his early manhood and was one of the leading members of the Church of Christ, in Santa Clara. He thoroughly

enjoyed and loved his church and was also always identified with the Sunday school, having charge of a large Bible class for many years. He had lived in the town of Santa Clara since 1865, excepting eight years (from 1884 to 1892) when he lived on the seed farm about two miles west of the town. He built his present home in 1892 and lived there continuously until his death. He was married in 1868 to Marie Langford, near Santa Clara, and she and four children survive him, viz, Mrs. Eva Birge; Lester L.; Stella May; Winifred Maud Morse. His large seed growing business will be managed by his son, Lester L. Morse, whom he has endeavored to educate for the trust for many years.

Mr. Morse, as is well known in the trade, made a specialty of sweet peas, originating Cupid and many other varieties of the highest merit.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By single man, age 20, in or near Chicago. State wages. Address
L. NIELSEN, 3758 State St., 3rd Flat, Chicago.

SITUATION WANTED—By May 24 as working foreman, have had full charge 9 years in one situation. First-class reference; English; married. Address
M H, care American Florist.

SITUATION WANTED—By A No. 1 rose and carnation grower or foreman; single; good designer. Best of references. State wages. Address
TRUTH, care American Florist, Chicago.

SITUATION WANTED—By all round commercial man as rose, carnation and plant grower. References exchanged. Address with particulars
B R, care Geo. A. Sutherland,
67 Bromfield St., Boston.

SITUATION WANTED—By young man of 18; 3½ years' experience in flower store; fair designer Will accept greenhouse or any kind of work, anywhere. Make me your best offer.
R. D. BERTRAND, Zanesville, O.

SITUATION WANTED—By a thorough, practical florist, German, single. 16 years' experience in all branches, 7 years in growing roses, carnations, 'mums and violets. Competent to take charge. References O. K. State particulars and wages
Address A B, Standish, Kane.

SITUATION WANTED—By thoroughly reliable, all-around grower; German; married. Life experience; competent to fill any position—private, commercial or institution. Understands vegetables under glass. Al references. Address
FLORIST, 3556 Park Ave., St. Louis, Mo.

SITUATION WANTED—By first-class, all around man; good grower and designer; capable of taking, full charge and managing help; steady and reliable, have had much experience in fancy and ornamental bedding and outside planting. Married. Address GROWER, care American Florist.

SITUATION WANTED—As manager or foreman on large rose growing establishment where Al stock is wanted. The undersigned for the past two years foreman at Myers & Samtman's, rose growers, Chestnut Hill Phila., Pa., will be open for engagement as above after May 23rd. Address
WM MUNRO, Wyndmoor, Montgomery Co., Pa.

WANTED—Lot second-hand hotbed sash; good condition. CHAS. H. JOLLS, Wyoming, Del.

WANTED—A boy from 15 to 18 years of age, as apprentice in my greenhouses.
JOS. LANG, Joliet, Ill.

WANTED—A young man for store and greenhouse. Send references to H. F. HALLE,
548 W. Madison St., Chicago.

WANTED—Address of Louis Truxler, a practical and ornamental florist
THOS B. BULL, Bakersfield, Cal.

WANTED AT ONCE—Foreman First-class grower of plants and cut flowers. Send references
STUART & HAUGH, Anderson, Ind.

WANTED—At once, a good, all-around florist, $25.00 per month and board. Steady place State experience and references. Address
C. HUMFELD, Clay Center, Kans.

WANTED—A lady to take charge of store; must be thoroughly posted and able to make up design work. Apply 5325 So. Morgan St., Chicago.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—A No. 1 rose grower, one who is willing to work, and grow first class roses, and can come at once. References required Address
HURRY, care American Florist.

WANTED—Experienced, unmarried gardener for private place, Chicago. Must understand greenhouses and orchids. References required Address
A B C, care American Florist.

WANTED—A florist for general greenhouse work; must be sober, industrious and trusty. Wages $25 per month and board. Send recommendations.
I. L. PILLSBURY, Galesburg, Ill.

WANTED—A man who can propagate and grow successfully American Beauty roses. No other need apply. Answer, stating particulars and wages expected. E F, care American Florist.

WANTED—Single man, accustomed to general greenhouse work on a large place. $25.00 per month and board, with chance for advancement. If ability is shown. C & H, care American Florist.

WANTED—A first-class florist, single or married. Must understand growing of roses thoroughly. Apply with references and particulars to
H, care of Henry F Michell, 1018 Market St., Phila.

WANTED AT ONCE—Competent single florist, on a place of 7000 feet of glass, where roses carnations, 'mums, and general stock are grown. State wages and address at once, sending references.
F. B. TINKER, Peru, Ind.

WANTED AT ONCE—Single man who understands the florist business in all its branches. Must be sober, reliable and a good worker Wages $25 per month with board References. Address
J. A. BISSINGER, Lansing, Mich.

WANTED AT ONCE—A reliable florist; one capable of taking charge of 10,000 feet of glass; to grow general stock of cut flowers and plants for retail store trade. Must be honest, sober and good worker. Also young man that has had some little experience in greenhouse work. Must be willing to take care of horse. State wages wanted with board. Address
FRED J. KING, Ottawa, Ill.

FOR SALE—2500 feet 4-inch cast iron pipe in good condition. Address
H. J. TEUFEL, Box 205, Evanston, Ill.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Glass at a bargain—at less than wholesale price, a lot of 12x18 glass; never been used. A bargain. Address GLASS,
care American Florist, Chicago.

FOR SALE CHEAP—Six hothouses (85x11 each), 4-room dwelling, cellar, sheds. Hot water. No competition. A bargain. Address
W. L. WINN, White Hall, Ill.

FOR SALE—At a bargain. Greenhouse in western city of 12,000 inhabitants; about 5000 feet of glass. Best reason for selling. Address
F, care American Florist, Chicago.

FOR SALE CHEAP—One 25-horse power horizontal boiler and front, as good as new. Just the boiler for heating. Address
G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

FOR SALE—5000 lights of glass, 6x8, in boxes, mostly double thick. Lot of second-hand cast and wrought iron pipe, 4 and 3-inch with connections, in good condition; also some 2½-inch 1½-inch, new
M. A. BUTLER, 53 Linden St., Dorchester, Mass.

FOR SALE—Established florist business, city of 40,000, five houses, over 8,000 feet of glass, one or three acres of land. Stock at appraisal. Very little competition. Bargain; investigate. Also 100 farms. Apply to POORE'S FARM AGENCY,
104 Merrimack St., Haverhill, Mass.

FOR SALE—One greenhouse, 1000 feet glass, well stocked with pot plants; one store in center of city. Electric light, city water works, street cars; no competition. A man with small capital can make no better bargain. Will sell the same at a sacrifice price if taken at once. Good reason for selling. Address
A B, care American Florist.

FOR SALE—GREAT BARGAIN—An energetic, competent florist (a thorough Christian preferred) with about $1500 cash, can secure a big bargain for making money. Growing city of 4000 population. No competion within 20 miles, including ten small towns. Greenhouse, hot water system, and stock must be sold at once. Rare chance to the right party. No reasonable offer refused Address
H. A. COLLINS, Administrator, Havana, Ill.

FOR SALE—Two greenhouses, one 120x20, the other 60x20; office front all double thick glass; hotbeds and sash. Large spring stock now on hand. 30,000 inhabitants within six miles; no competion, as nearest greenhouses are 24 miles. Two acres good land; houses in good condition; steam heat; all new last year, including new boiler. Will give possession right away. Other business out of town cause of selling. Address E B, care American Florist, Chicago.

FOR SALE.

Three small greenhouses at Weston, Mo.; five acres in orchard, some small fruit, large barn, two cisterns, two good cellars, one acre of vineyard, five-room residence. Town of about 2000, the only greenhouses in the county, eight miles from Leavenworth, Kas.; thirty miles from Kansas City. Reason, poor health. Fine prospect for fruit. Price $1250.00. Address

C. H. HOLLIED, Horton, Kas.

30 Very Fine PLATE BOOKS

for sale; leather bound; nearly new, some never having been used. 125 plates in each—Roses and Ornamentals exclusively. $1.75 each; $50 for the lot, cash. Address Plate Books, care Am. Florist.

For Sale

Three Greenhouses, 20x80 each, two short span to south, one even span; steam heat, five years old, best cypress material, stocked with plants, etc. Possession given immediately, houses to be moved. Good town, 5000 people. Sell altogether only. Write for particulars.....

JOHN LIEBER, Maryville, Mo.

FOR SALE.

Excellent establishment of 7000 square feet of glass in Chicago suburb. Stocked with carnations, smilax and miscellaneous plants; 1½ acres of good land; 8 room dwelling. Would like to dispose of place by May 1, if possible, as I am not able to give it my attention.. Address

MRS. P. F. LAW, RIVER GROVE, ILL.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a fine dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, Pa.

For Rent.

Seven Greenhouses, Three Acres of Ground, Barn and Dwelling; Five Year Lease, thirty minutes from New York Market; well stocked for Spring Trade. Stock can be bought reasonable. Apply

Chas. A. Iffinger,
Sub Station No. 24. Brooklyn, N. Y.

TELEGRAPH CODE
OF THE
AM. SEED TRADE ASSOCIATION
$2.00,
In either stiff or flexible cover. ADDRESS ORDERS TO
AMERICAN FLORIST CO., CHICAGO.

Fairbury, Ill.

Trade is keeping up very well for this time of the year. Planting in the field is now the order of the day, as we have had a fine rain and all outdoor stock is smiling. A. Milne has his carnations all in the field, about 4,000, and is now planting violets. J. Milne & Son have about 6,000 carnations set and are at work with the violets. They report a fine trade. Kring Bros. are to erect a carnation house 30x125 and will also add a new Kroeschell boiler. They report trade twenty-five per cent above last year. They have 7,000 carnations and 5,000 violets now in the field. K.

STEVENS POINT, WIS.—Macklin Bros. have purchased land at Marshfield upon which to build greenhouses and establish a nursery.

Wholesale Flower Markets

CINCINNATI, May 10.

Roses, Beauty, select	25 00
" " medium	10 00
" Bride	3 00@ 5 00
" Bridesmaid	3 00@ 5 00
" Meteor	3.00@ 5 00
" Perle	3 00@ 4 00
Carnations	1 00@ 1 50
" fancy	2 00@ 3.00
Lily of the valley	3.00
Gladiolus	4.00@ 6 00
Callas	6.00@ 8 00
Stocks	2 00
Sweet peas	2.00
Smilax	15.00
Adiantum	1.00
Common ferns	.20
Asparagus	50.00

ST. LOUIS, May 10.

Roses, Beauty, short stems	1.00@ 5 00
" " medium	8 00@12 50
" " fancy	15.00@25 00
" Bride, Bridesmaid	4.00@ 8.00
" Meteor	4 00@ 8 00
" Perle Wootton	3.00@ 4 00
Carnations, common	1 00
" fancy	1 50@ 2.00
Sweet peas	50@ .75
Callas	6 00@ 8 00
Harrisii	6 00@ 8 00
Smilax	12.50@15 00
Adiantum	.50@ 1.00
Asparagus	15.00@50.00

MILWAUKEE May 10.

Roses, Beauty, long .... per doz	3 00@4 00
" " medium " "	1 50@ 2.50
" " short " "	.50@ 1.00
" Bride, Bridesmaid	2 00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.50@ 2 00
" fancy	2.00@ 3.00
Violets	.50@ 1.00
Daffodils	3 00@ 4 00
Lily of the valley	3.00@ 4 00
Roman hyacinths	2 00@ 3 00
Narcissus	3 00
Callas	8 00@15 00
Harrisii	12.50@15 00
Mignonette	2.00@ 3.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, May 10.

Roses, Beauty, fancy	25.00@35.00
" " extra	15.00@20 00
" " No. 1	10 00@12 00
" " culls	3 00@ 5 00
" Bride, Bridesmaid	4.00@10.00
" Meteor	2.00@ 6 00
" Perle	3.00@ 6.00
" Cusin	2.00@ 4 00
Carnations, ord'nary	75@ 1 50
" fancy	2 00@ 3.00
Lily of the valley	2 00@ 4 00
Harrisii	3 00@ 6.00
Sweet peas	.50@ 1.00
Pansies	.50@ 75
Daisies	.50@ 1.50
Mignonette	.75@ 1 50
Smilax	15 00@20 00
Adiantum	75@ 00
Asparagus	35 00@50 00

DENVER, May 9.

Roses, Beauty, select	25.00@35.00
" ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	3 00@ 5 00
Carnations, ordinary	1 00@ 2.00
" fancy	2.00@ 3 00
Lily of the valley	4 00
Callas	12 50
Harrisii	12 50
Daffodils	4.00
Tulips	4.00
Sweet peas	.75
Asparagus	50 00
Smilax	15 00@17.00
Ferns	.50
Galax leaves	.20

SPRING SALE ...OF... **ORCHID PLANTS** The Surplus Stock of the Rosebank Nurseries.

In order to make room for new importations shortly to arrive we will offer for sale during March a fine lot of Cattleyas, Dendrobiums, Oncidiums and Cypripediums of the varieties most suitable for commercial purposes.

This is an excellent opportunity for florists to secure desirable varieties of orchids cheap, as the prices have been made low in order to move the stock quickly.

	Each.	Dozen.
CATTLEYA LABIATA, the largest and most popular of the kind	$ .75	$ 8 00
DENDROBIUM FORMOSUM, bridal bouquet orchid	.50	5.00
ONCIDIUM VARICOSUM, enormous yellow sprays	1.25	12.00
CATTLEYA TRIANÆ		18.00

(*N. B. These plants are fully established, being principally from last year's importations.*)

SPECIAL We have taken from our propagating cases a surplus of young stock of which we offer

ACALYPHA SANDERII, nice plants, 2½-in. ..... per dozen, $1.00
DRACAENA TERMINALIS, nice plants, 2½-in. ..... " 1.00
(*Special prices will be quoted on application for these plants in quantity from the sand.*)

OUR TERMS ARE STRICTLY NET CASH UPON RECEIPT OF STOCK.

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"ROSEBANK,"
CINCINNATI.

WE SOLICIT A TRIAL ..... ORDER.....

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OUR PRICE LIST

	Per dozen.
AM. BEAUTIES, extra long	$3.00 to $4.00
" 24-in. stems	2.50
" 20 " "	2.00
" short "	1.00

	Per 100
CARNATIONS, fancy	$2.00 to $3.00
" ordinary	1.00 to 1.50
BRIDES	4.00 to 6.00
BRIDESMAIDS	4.00 to 6.00
METEORS	4.00 to 6.00
PERLES	3.00 to 5.00
VALLEY	3.00 to 4.00
TULIPS	3.00 to 4.00

	Per 100
LIL. HARRISII	$6.00 to $ 8.00
CALLA LILIES	8.00 to 12.50
VIOLETS, double	.60 to .75
" single	.50
ADIANTUM	.75 to 1.00
ASPARAGUS	50c
SMILAX	12.50 to 20.00
GALAX	$1.25 per M. .15
FANCY FERNS, $1.50 per M.	.20
WILD SMILAX: No. 1 contains 15 lbs.	$2.50
" No 2 " 20 "	3.50
" No. 4 " 35 "	4.50
" No. 5 " 40 "	5.50
" No. 6 " 50 "	6.50

Prices Subject to Change Without Notice.
Get Our Prices on Carnation Cuttings and Rose Plants.

WHOLESALE FLORISTS

HEADQUARTERS FOR

FANCY OR DAGGER FERNS.

Also Wreaths and Festooning of all kinds for Decoration Day. Engage your ferns now and other goods for Decoration Day and be sure of them.

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WE ARE BOOKING ORDERS NOW FOR THE NEW CROP.

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Will begin shipping first week in May.

Price, $1 00 per 1000.

Special discounts to the wholesale trade. Write or telegraph us.

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51 WABASH AVE., CHICAGO.

CATTLEYAS, $4.00 per Dozen.

	Per Dozen.
AM. BEAUTIES, Ex. long	$2.50 to $3.00
" 24-inch stems,	2.00
" 20 " "	1.50
" short "	1.00
	Per 100
CARNATIONS, fancy	$2.00 to $3.00
" standard vars. asst.	1.00
BRIDES	3.00 to 4.00
BRIDESMAIDS	3.00 to 4.00
METEORS	3.00 to 4.00
PERLES	2.00 to 3.00
VALLEY	3.00 to 4.00
TULIPS	2.00 to 3.00
LIL. HARRISII	6.00 to 8.00

	Per 100.
CALLA LILIES	$8.00 to $10.00
ADIANTUM	.75
ASPARAGUS	50 cts.
SMILAX	12.50 to 20.00
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS...$1.50 per M.	.20
WILD SMILAX. (Caldwell's.) No. 1 contains 15 lbs.	$2.50
No. 2 " 20 lbs.	3.50
No. 4 " 35 lbs.	4.50
No. 5 " 40 lbs.	5.50
No. 6 " 50 lbs.	6.50

☞ Prices subject to change without notice.

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MASSACHUSETTS FANCY FERNS, 1000 $1.50; 5000 lots, $6.25

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It is good business policy to mention the

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when you write to an advertiser.

Wholesale Flower Markets

CHICAGO, May 11.

Roses, Beauty, extra long stems	3.00
" " 30 inch "	2.50
" " 24 " "	2.00
" " 20 " "	1.50
" " 15 " "	1.25
" " 12 " "	1.00
" " 8 " "	.75
" Bride, Bridesmaid	4.00@ 6.00
" Perle	3.00@ 5.00
" Meteor	4.00@ 6.00
" La France	4.00@ 6.00
" Golden Gate	12.00
Carnations	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	3.00@ 5.00
Lilacs	25@ .50
Mignonette	2.00@ 6.00
Dutch hyacinths	4.00@10.00
Narcissus	2.00@ 3.00
Harrisii	8.00@10.00
Callas	8.00@10.00
Tulips	4.00@ 6.00
Sweet peas	1.00@ 2.00
Adiantum	.50@ 1.00
Common ferns	.15
Fancy ferns	.20
Smilax	12.50@15.00
Asparagus	50.00@60.00

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F. F. BENTHEY, Manager,

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PRICE 15 CENTS POSTPAID.

AMERICAN FLORIST CO., 322 Dearborn St. Chicago

Wholesale Flower Markets

PHILADELPHIA, May 9.

Roses, Tea	1.50@ 3.00
" " extra	4.00@ 8.00
" Beauty, extra	20.00@25.00
" " firsts	8.00@15.00
Carnations	.50@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	3.00@ 5.00
Violets	.50@ .75
Mignonette	1.50@ 2.00
Asparagus	50.00@75.00
Smilax	15.00@25.00
Adiantum	1.00@ 1.50

BOSTON, May 9.

Roses, Beauty, extra	15.00@20.00
" " medium	8.00@10.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" extra	6.00@ 8.00
" Brunner	12.00@25.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Daffodils	1.00@ 2.00
Tulips	1.00@ 2.00
Longiflorums	4.00@ 6.00
Callas	5.00@ 8.00
Mignonette	1.00@ 2.00
Smilax	20.00@25.00
Asparagus	50.00

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Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

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ROSES, PINKS AND VIOLETS.

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JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
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Choice Carnations Choice Roses
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NEW YORK CITY
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38 W. 28th Street Cut Flower Exchange

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" " medium	6.00@ 8 00
" " culls	2 00@ 5.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
" " " Select	4.00@ 8 00
" Jacq., Brunner	6 00@16 00
Carnations	.50@ 1 25
" fancy	2.00@ 3.00
Lily of the valley	2 00@ 4 00
Yellow narcissus	1.00@ 3 00
Tulips	.50@ 1 00
Mignonette	1.00@ 3 00
Sweet peas	.50@ .75
Callas	3.00@ 4.00
Harrisii	3.00@ 4.00
Cattleyas	30.00@50 00
Smilax	15.00@20 00
Asparagus	25 00@35.00
" Sprengeri, per doz. bunches	1@1 50
Adiantum	.50 .75

BUFFALO, May 10.

Roses, Beauty	15.00@40 00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
" Perle, Niphetos	3 00@ 5.00
" Kaiserin	3.00@ 8.00
Carnations	1.00@ 4.00
Lily of the valley	3.00@ 4.00
Violets	.60
Mignonette	1.00@ 4.00
Sweet peas	.75@ 1 00
Daffodils	3 00@ 4.00
Dutch hyacinths	3.00@ 6 00
Harrisii	8 00@12.00
Callas	6.00@10.00
Tulips	3.00@ 4.00
Smilax	15.00@20 00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

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WHOLESALE
Commission Florists
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Capable, experienced. Consignments solicited.

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CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

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416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
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Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
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ROSES. VIOLETS.
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TULIPS,
DAFFODILS,
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PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS

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47 WEST 28TH ST.
Tel. 421 Madison Squa .....NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

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CHAS. P. BRASLAN, of the Braslan Seed Growers Co., is now in San Francisco.

VISITING NEW YORK: Thos. A. Cox, of the Cox Seed Co., San Francisco, Cal.

DAHLIA, pæonia and canna stocks seem to be well cleaned out all over the country.

THE necessity of replanting in large areas of central Texas has brought a scarcity of cotton seeds.

W. W. BARNARD & Co., Chicago, report trade fully up to expectations, with some items nearly exhausted.

VISITED CHICAGO:—H. W. Buckbee, of Rockford, Ill; J. J. Van Waveren, of L. Van Waveren & Co., and Mr. Taat, of M. Van Waveren & Sons, Hillegom, Holland.

THE new Porto Rican tariff imposes a tax of 2¼ cents per bushel on corn and 6 7-10 cents per bushel on beans. Agricultural implements, not machinery, may enter free.

PORTLAND, ORE.—Buell Lamberson of the Lamberson Seed Co., died Mey 4. Mr. Lamberson was a prominent merchant and president of the Title Guarantee and Trust Co.

The Resistance of Seeds to Heat.

M. E. Schribaux, in the *Revue Horticole*, records some surprising results obtained in experiments in killing insects among seeds by the application of heat. Weevils were dead after two minutes exposure at a temperature of 122° and many other insects at 140°. The indications are that this treatment will also destroy the eggs of insects and the spores of fungi, experiments being now in progress to determine these points.

The surprising thing about the experiments is the great resistance to dry heat shown by most seeds. It was found that the cereals, excepting corn, withstood a temperature equal to the boiling point of water, for an hour, without their germinating power being in the least affected. One variety of wheat was exposed for ten hours to this temperature and still germinated 100 per cent. Another variety after one hour's exposure to a temperature 25° above the boiling point germinated ninety-five per cent and the same variety after an hour's exposure to 36° above the boiling point germinated fifty-six per cent.

The conclusions drawn are that by short exposures to these high temperatures all animal and vegetable parasites may be destroyed without injury to the seeds, while in some cases this treatment actually increases the germinative powers of the latter. If these results are confirmed by further experiments the discovery will be of great value to seedsmen and agriculturists generally. In the treatment of grain for the destruction of smuts, alone, this method would be of exceedingly great benefit to the farmer.

The spraying of roses with hot water and the dipping of greenhouse plants in hot water for destroying insects has been more or less in use for a long time, but we do not recall any previous reports of such extreme applications of heat as those described by Mr. Schribaux

SPECIAL BULB AND FLOWER SEED OFFER.

Seeds.

Nasturtium, Tom Thumb, mixed, per ¼ lb., 15c; per lb., 40c; per 100 lbs., $35.00.

Nasturtiums, tall mixed, per ¼ lb. 15c; per lb. 35c; per 100 lbs., $30.

Aster, Semple's True Braoching Mixed, per ¼ oz., 20c; per oz., 50c; per lb., $5.

Aster, Semple's True Branching, white, red and shell piok, per ¼ oz., 20c; per oz., 75c.

Aster, Queen of the Market, the earliest of Asters, white, crimson, blue and red io separate colors, per ¼ oz., 15c; per oz., 50c.

Bulbs.

Begonias, single tuberous rooted, pink, crimson and yellow in separate colors, 30c per doz., $2 per 100; $18.00 per 1000.

Lilium Auratum, 7-9, in fine condition, $4.50 per 100.

Lilium Spec. Rubrum, 7-9. $4.50 per 100.

Lilium Spec. Album, 7 9, $5.75 per 100.

Oxalis summer flowering mixed, 7c per dozen, 25c per 100, $1.50 per 1000.

Tuberoses, No. 1, Double Pearl, choice bulbs, 75c per 100; $6 per 1000.

Tuberoses, No. 2, Double Pearl, 35c per 100; $2.50 per 1000.

Send for our quotations on Roman Hyacinths, Paper White Narcissus, etc.

JOHNSON & STOKES,
217 and 219 Market Street, **SEEDSMEN.** PHILADELPHIA, PA.

FERN SPORES SOW NOW!

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802

THORBURN'S SEEDS

Floris's are invited to send for our quotations on

FORCING BULBS,
ROMAN HYACINTHS,
LILIUM HARRISII,
LILIUM LONGIFLORUM,
Etc., Etc.

We are large importers ol HIGH CLASS BULBS.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans Paper While Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address

H. H. BERGER & CO., (Est. '78) **47 Barclay St, N.Y**

Ordar now your Bulbs while you can make maney with

Paper White Narcissus Grandiflora,

EXTRA, $4.00 par 1000,

free Marseilles. Packing free. 1st Dec. settlement. Very low prices ou application for **ROMAN HYACINTHS** and other French Bulbs for forcing.

A. BERNARD, Grower and Exporter,
Carqueiranne, Var, France.

LOW PRICES on BULBS & PLANTS

Amaryllis Equestre. $4 per 100; A. Formosissima, $3; A. Johnsoni, $15; A. Vittata, $20. **Anemones** for fall blooming, $1. **Begonias,** single, $2 50; double, $4. **Callas.** Spotted, $2; Little Gem $2.50, Fragrance $10, Yellow $25, Black $10. **Caladium Esculentum** 5 to 7 $2, 7 to 9 $4, 9 to 12 $7. **Cannas,** mixed, $1.50; named, $2 up. **Crinums,** $7. **Dahlias,** mixed, or to color, $4; fine named sorts. Cactus or others, $5 per 100. **Gladioli,** 2d size, $4 per 1000. **Gloxinias,** $3. **Hyacinthus Candicans,** 50c to $1. **Iris Germanica,** $1.50. **Ipomœa Pandurata,** $3. I. Mexicana, monsters, $30. **Lilium Auratum,** $5. L. Album, $6; L. Superbum, small, $1.25. **Maderia Vine** 60c. **Montbretias** $1. **Oxalis** $1 per 1000. **Tigridias** $1.50, **Tuberoses,** 1st size 75c, 2d size 30c. Milla, Bessera, Cyclob, $1 per 100.

PLANTS. Asparagus Sprengeri, $3.50 to $20. Astilbe Chineose new, fine, $10. Begonia Duke Zeppelin, $10. Hibiscus new sorts, $10. Lace Fern, $5. Baby Primrose, $2.50. 2 new Salvias, $8. Tropæolum Phœbe, $6. The Edelweiss, soon to blooom, $6. Myosotis Sutton's Gems in bud, 3 colors, white, blue, pink, $4 per 100. The Hardy Chinese Begonia, sweet scented pink flowers, leaves olive and red; 8 by 10 inches!! grand, $6 per 100. New Begonia Gracilis, finest pink bedder, $6 per 100. Japan Morning Glory Seed, finest strain, $1 per lb., 10c per oz. Not less than 25 of any kind at 100 rates.

A. BLANC & CO., Philadelphia, Pa.

Please mention the American Florist when writing.

ROEMER'S Superb Prize Pansies

The finest strain of Pansies in the World........

INTROOUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award Inter. Exhibitiou at Hamburg, 1897. Catalogue free on applicatioo.

Fred. Roemer,
Seed Grower, QUEDLINBURG, GERMANY.

Seeds.

Primula Sinensis, Rolker's large-flowering, ¼ oz. $3.50; packet 25c.; best English mixture, packet 50c. **Cineraria** hybr. grandifl., choicest English, packet 50c. **Cyclamen** splendens grandifl., 500 seeds $2 50; separate colors, 100 seeds 60c.; best English mixture, packet $1.00. **Asparagus Sprengerii,** 1000 seeds $6.50; 100 seeds 75c. **Pansy,** Rolker's Giants, ¼ oz. $1.25; packet 25c.; Trimardeau, ¼ oz. 75c.; packet 25c. **Other seeds** see general Trade list, mailed free.

August Rolker & Sons, 52 Dey St., New York.

Please mention the American Florist when writing.

American Florist Advertisements Work Every Day.

DREER OFFER OF

Young Palms for Growing On

We have to offer a large stock of the following varieties in excellent condition which if potted up now will double their value during the summer months.

ARECA LUTESCENS.

2-inch pots ..... $1.00 per dozen, $6.00 per 100, $50.00 per 1000

KENTIA BELMOREANA.

2½-inch pots	$2.00 per dozen,	$15.00 per 100,	$100.00 per 1000		
3 " "	3.00 "	25.00 "	200 00 "		
4 " "	4.50 "	35.00 "	350.00 "		

KENTIA FORSTERIANA.

2½-inch pots	$1 50 per dozen,	$12.00 per 100,	$100.00 per 1000
3 " "	2.50 "	20.00 "	175 00 "

LATANIA BORBONICA.

2½-inch pots ..... 60 cents per dozen, $5.00 per 100, $40.00 per 1000

CYCAS REVOLUTA.

New importation, dormant stems, true long-leaved variety, a fine fresh lot just received. Stems weighing from 4 to 50 pounds each. 25 to 100 lbs. at 10 cents per lb; 250 lbs. at 8 cents per lb.; 500 lbs. at 7 cents per lb.

HENRY A. DREER,

714 Chestnut St. PHILADELPHIA.

Florists and Seedsmen

It will pay you well to send me list of your wants and get my prices before placing your orders for

Dutch Bulbs

for delivery in the early autumn.

HYACINTHS, TULIPS, NARCISSUS,

FREESIAS, CROCUS, SPIRÆAS,

LILIUM LANCIFOLIUM, Etc., Etc.

All Bulbs carefully grown and guaranteed first-class and true. No auction stuff or trash. Correspondence solicited.

GEORGE E. DICKINSON,

No. 1 Broadway, NEW YORK, N. Y.

Also Nursery and Fruit Stocks of every description.

HARDY ROSES

Strong two-year-old plants, in all the best varieties.

Hollyhocks, Phlox, Paeonies,

Pyrethrums, Pansies,

Specialties.

SEND FOR CATALOGUE.

M. H. WALSH

Gardener to the late Mr. Jos S Fay. **Woods Holl, Mass.**

Roses

Extra Strong stock from 2½-inch pots.

Splendid assortment of hardy sorts.

Send for price list.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

MADEIRA VINE ROOTS OR TUBERS.

2000 Madeira Vine, No. 1, $1.25 per 100. 2000 No. 2, 75c per 100. Cash with order.

E. Y. TEAS, GREENS FORK, IND.

Double Your Bank Account.

That is easily done by a little enterprise during the next six weeks. You can make money at

DECORATION DAY

On our new Metal Wreaths which are made up in delicate combinations found in no other stock. And the prices are surprisingly low. Moss Wreaths, Cycas Wreaths, Immortelles, Capes and Artificial Flowers are all first-class. We give you extra inducements on

COMMENCEMENT BASKETS.

They are up-to-date salable goods in many styles, with high handles. They are cheap and many thousands of them will be used for school graduations next June. Send for special prices on them.

H. BAYERSDORFER & CO., 50-52-54-56 North Fourth Street,

PHILADELPHIA, PA.

Please mention the American Florist when writing

Everything in the

CUT FLOWER

line.

WIRE WORK,

the kind that will give satisfaction.

and a complete line of **FLORISTS' SUPPLIES.**

HOLTON & HUNKEL CO.,

P. O. Box 103. Milwaukee, Wis.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE San Jose scale is not dead; it's only busy breeding.

THERE is no complaint as to the profitableness of prices for nursery stock this spring.

STARK BROS., of Louisiana, Mo., have opened business with their new nursery of 300 acres seven miles south of Huntsville, Ala.

PROF. JOHN CRAIG says that the buds of cherries and domestica plums have been very generally killed throughout Iowa and that small crops may be anticipated.

NURSERYMEN who report heavy demand for decorative material say that many planters ask for Liriodendron tulipifera, certainly most beautiful but difficult to transplant unless small.

ONE of the signs of the times is the impatience of planters and the demand for trees for immediate effect. With many nurserymen this branch of the business has been large the past season.

IT is Greystone, the estate of Samuel Untermeyer, at Yonkers, N. Y., to which the Ellwanger & Barry Nursery Company is to supply 30,000 trees and shrubs this spring. Gustave Amrhyn is the gardener at Greystone.

Nurserymen's Silver Anniversary.

On June 13 and 14 the twenty-fifth annual convention of the American Association of Nurserymen will be in session at the Chicago Beach Hotel, Chicago, where the meeting of 1899 was surrounded by so many pleasures that the vote to repeat the experience was unanimous. The programme, as outlined, will be brief and will afford larger opportunity for queries and discussions along practical lines. Of addresses, other than the president's, there will be four, by Prof. N. E. Hansen. R. C. Berckmans, N. W. Hale and N. H. Albaugh. The social features will be made much of and the attendance promises to be the largest on record, but Secretary Seager emphasizes the importance of procuring certificates when purchasing railroad tickets, in order that mischance may not deprive the members of the reduced rate of a fare and one-third.

Baltimore.

THE MARKET GARDENERS NOW DEAL IN FLOWERS.—OUTDOOR MATERIAL INTERFERES WITH GREENHOUSE PRODUCTS.—SOME GOOD DESIGN WORK.—A SCULPTOR'S SUCCESS.

Even the market florists are not having everything their own way now, for most of the vegetable growers are bringing in boxes of lilac, or a more or less choice assortment of hardy perennial roots and and plants, "pineys," "bleedin' hearts," phloxes, etc., all offered at prices that defy competition. To be sure the quality and condition as well as the manner in which they are prepared for sale generally defy competition, too, but if it suits the buyer, why should we "kick"? The happy public will not buy carnations or roses while they can decorate a room with sprays of lilac at a cost of a nickel, neither will they invest in neatly grown pot plants invariably, while they can get a "chunk" of larkspur or daisy for half the money. As long as flowers are bought, however, there is no real cause for complaint. Given the love of the beautiful, expressed in the culture of flowers, and the quality of plants or flowers purchased will depend largely on the financial condition of the purchaser. Then why should we feel blue if poor clerks or seamstresses take advantage of the only chance they get in the year to get some little brightness into their humble lives? Let us console ourselves and the market florists with the thought that "Its an ill wind that blows nobody any good."

In wandering about the city one sees much in design work that would be better unseen, but sometimes, even in stores not on Charles street, a piece of really good work comes to light. Mrs. Diedeman made up a standing scroll one day last week that was very artistic. It was about four feet high and eighteen or twenty inches across. The extreme edge was of white carnations, then a row of Bridesmaid roses, and from them, irregularly jutting out into the pure white of the principal surface were buds of the same in groups of from one to six or seven. This pleasing idea of irregular and free arrangement was carried out in the lettering, which, instead of being confined to one or two stiff, straight lines, was divided into five lines, each containing a word in large letters.

Prices are undoubtedly fast hastening to the summer level. The cool and uncertain weather has had no apparent effect, either on the over-production of flowers or the falling rates. Carnations are increasing in quantity. Roses are not much behind, and all that is needed to give the "coup de grace" to the greenhouse bloom is the advent of the pæonia.

Hans Schuler, son of Mrs. Amelia Schuler, a florist at 322 West Saratoga street, continues to win high artistic honors in Paris, where he has been studying at Julian's Academy of Sculpture and under the guidance of St. Gaudens. He has just been awarded one of the Rinehart scholarships and will establish his own studio this season. Mr. Schuler is only 24 years of age. MACK.

WEST BROOKFIELD, MASS.—H. S. Brown's greenhouses were damaged to the extent of $500 by fire on the morning of April 30.

LEBANON, IND.—Paul Tauer, of Peru, has arrived to take possession of the Lebanon Greenhouses, which he recently purchased.

BIRMINGHAM, ALA.—C. H. Reed claims to be the oldest florist in this vicinity, having established his business twenty-four years ago.

FORT WAYNE, IND.—Miss Belle Flick has a pink carnation seedling of which much is expected and which has been named Clara Belle.

OAKS 10,000 **Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.**

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

ROSE PLANTS Good, Healthy Stock.

BRIDESMAIDS, KAISERINS	3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES	2½-in., $3 per 100, $25 per 1000.

Cash With Order

Martin A. Magnuson,
3309 N. Western Ave., CHICAGO, ILL.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Excelsior Pearl Tuberoses.

SPLENDID BULBS IN PRIME CONDITION.

	Per 1000
First size, 4 to 6 inches	$5.00
Monster Bulbs	8.00
Second size, 3 to 4 in. (all blooming bulbs)	3.00

DAHLIA ROOTS,
Twenty superb varieties, $4.00 per 100.

CANNA ROOTS,
Chas. Henderson, Chevalier Besson, Ami Pichon, Mixed Red, all $10 per 1000.

CASH WITH ORDER.

J. F. LOVETT, Little Silver, N. J.

NEW SHELLBARK--HICKORY NUT,
"Hornor's Special."
RARE EVERGREEN TREES.
200 000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.
CHAS. B. HORNOR & SON, Mt. Holly, N. J.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

PRICE LIST.

ROSES.

Beauties, long	per doz,	$3.00—
" medium	"	1.50—$2 00
" short	"	.75—
Brides and Maids, Meteor	per 100,	4.00— 6.00
Perles	"	4.00— 5.00
Roses, seconds	"	3.00—

CARNATIONS.

Standard sorts, select	per 100,	$1 50
Fancy, "	"	3 00

MISCELLANEOUS.

Paonies	per doz.,	$0.75—
Harrisii, $6.00 per 100,	"	1.00—
Callas	"	1.00— 1.25
Mignonette	"	.25—
Forget-Me-Nots, $1.00 per 100,	"	.15—
Valley	per 100,	3.00— 4 00
Sweet Peas	"	.60— .75
Pansies	"	.50—
Marguerites	"	.50—
Narcissus Poeticus	"	1.00—

DECORATIVE.

Asparagus	per string,	$0.50—
Galax, green and bronze, per 1000, $1.50	per 100,	.20
Ferns, $2.00 per 1000,	"	.25
Ferns, Maiden Hair, choice	"	.75— 1.00
Leucothoe Sprays	"	1.00
Smilax (scarce)	per dozen,	2.00—

Extra select and inferior qualities charged for according to value.

☞Choice stock will always be shipped, when procurable, unless otherwise ordered.

E. C. AMLING

WHOLESALE —CUT FLOWERS

32-34-36 Randolph St., CHICAGO.

WALTER S. HEFFRON, MGR.

Quotations are subject to change without notice. Regardless of prices quoted all stock will be billed at lowest market rates.

ALL SEASONABLE FLOWERS. "P. & D." AT COST.

Use the Code

Carnations our Specialty

We are Chicago Sales Agents for E. G. Hill & Co.'s Choice Flowers.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

Please mention the American Florist when writing.

NEW ROSES ::::

GRUSS AN TEPLITZ, an exceedingly healthy, strong growing forcing rose, similar to Liberty, but a stronger grower.

MAD. RENE GERARD, the improved Mad. Capucine. Fine stock. Write for prices.

BOSTON FERN, strong 2½-in., $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

10,000 EXCELLENT stocky 4-in. Latanias

ready for shifting, $20 per 100; $190 per 1000.

WALTER RETZER & CO. Successors to ALBERT FUCHS,

2045-59 Clarendon Avenue, CHICAGO.

Geo. A. Kuhl

PEKIN, ILL.

23 Greenhouses. . .

60,000 Feet of Glass.

We offer to the trade over 35,000 young Roses, following varieties: Am. Beauties, Perles, Wootons, Meteors, Brides, Maids, Belle Siebrecht, Golden Gate. We believe in shifting young Roses often. All stock offered in 2-½-in. pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established. Send 50c or $1 for samples and prices.

COLEUS.

Golden Bedder, Yellow Queen, Verschaffeltii and mixed.

GERANIUMS.

12 to 15 000 best bedding vars. in 3 and 4-in. pots.

Fine lot of

HELIOTROPE, SALVIAS, DOUBLE PETUNIAS, In 4-inch pots.

CANNAS.

Six varieties, fine plants, in 4-in. pots.

Hanging baskets of

SPRENGERII and BOSTON FERNS.

PANSIES by the thousands.

In fact, we have a large lot of mixed stuff in small pots. Write and tell us what you want and we will try and fill your order.

GEO. A. KUHL.

DORMANT ROSES.

2 yr. H. P's., Own Roots, Our Selection, per 100, $13.00.

2 yr. H. P's., Budded, Our Selection, per 100, $11.00.

Crimson Rambler, Strong 2 yr., $15.00.

Crimson Rambler, 3 yr., $20.00.

CLEMATIS, HYDRANGEA, PAEONIAS, AMPELOPSIS, ETC.

Vaughan's Seed Store

84 and 86 Randolph St., CHICAGO.

Strong Plants

Brides, Bridesmaids, in 2½-in. pots; American Beauties in 3½-in. pots. All good, strong, healthy Stock; will sell them very cheap tor cash.

T. O'CONNOR,

Blackstone Blvd. PROVIDENCE, R. I.

Do not hide your light under a bushel. Tell the people what you have for sale.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

WITH all our enthusiasm over bowling we seem to be far behind our friends in Germany. A Berlin paper of recent date tells of a 100 days' tournament which is to take place this summer in that city, the first prize being a furnished villa, with horse and carriage and other luxuries included.

At New York.

Monday evening, May 7, was full of surprises at the bowling alleys and some of the bowlers got a gait on them that was suggestive of great possibilities for next August. Philadelphia and Buffalo enthusiasts are advised to make a note of the figures attached to Larry Hafner's name herewith. Mr. Hafner is not a bit puffed up over it.

Player	1st	2d	3d	4th	5th	Av
Hafner	170	109	229	138	219	173
Thielmann	169	157	183	154	163	165
Lang		161	146	163	153	156
Traendly	188	115	118	141	130	138
Duckham	116	131	121			123
Stewart	107	104	94	124	172	120
Burns	112	128	123	116	116	119
Herrington	85	104	92			94

At Philadelphia.

The bowlers are having great times. Last week saw nine games of 200 or better, Hamilton equaling the single game record, with a game of 247, and setting a new mark for three games, with 209, 213 and 207. The others who distinguished themselves were David Scott, 200; W. K. Harris, 210, 216; Geo. Anderson 211. The following are the records for last month:

Player	games	Av	Player	games	Av
Johnson	87	171	Walker	17	143
Hamilton	79	163	Gibson	31	142
Moore	12	163	Starr	10	141
Harris	80	162	Westcott	11	140
Moss	24	160	Kift	10	138
Kuenstner	54	154	Lamb	14	137
Allen	62	153	Reber	36	137
A. L. Brown	22	149	Watson	28	128
Archer	21	149	Turner	51	125
Connor	26	148	Baker	17	123
Scott	18	144	Burton	11	107
Anderson	27	143			

Syracuse Visits Utica.

On Saturday, May 5, eleven husky Syracuse florists came to Utica for the sole purpose of "doing up" the florist bowlers here, but, as the appended scores show, they were doomed to an inglorious defeat. They were met at the depot and escorted to the greenhouses of Peter Crowe, where the prize winning roses and Adiantum Bardii were viewed, and where a very satisfactory test was made of the Bard patented nozzle. They were then escorted to Music Hall, where a dinner was served, a pleasant feature of which was the presence of the older members of the trade, Peter Crowe, Wm. Mathews and C. F. Baker. After dinner the bowling match was held. Syracuse did her best to win, going to the extra precaution of bringing along her "Bishop" and her "Bard" t sing her praise, their "Camp-bell" to give us warning, and even a "Ham" for our succor in case of need, but with all their Smil(i)es they were not Fox(y) enough to win and got "Dunn" in the matter of total pins, although by games they won two out of three. This is the third match in the series, which now stands two to one in favor of Utica. Following is the score:

SYRACUSE	1st	2d	3d	Total
Dow	168	125	104	397
Smillie	121	102	149	372
Davis	121	101	114	336
Bard	118	102	102	322
Ham	94	110	99	303
Huller	104	112	110	326
Fox	100	108	99	307
Campbell	94	116	142	352
Terry	98	97	109	304
Dunn	98	116	112	326
Bishop	110	117	100	327
Team totals	1226	1206	1240	3672

UTICA	1st	2d	3d	Total
Baker	103	132	160	395
P. Crowe	117	108	86	311
C. Mathews	148	179	97	424
Rowlands	97	109	137	343
Kanfer	91	115	90	296
Hillebrandt	138	114	102	354
Spencer	105	127	108	340
Pfeiffer	126	150	106	382
W. Mathews	66	137	79	282
H. Mathews	99	106	136	341
Somers	119	109	105	333
Team totals	1209	1386	1206	3801

W. J. CROWE.

At Denver.

Yes, "fair Robert of Philadelphia," it is something of a waste of time to spend it shooting at pins so close together that it's hard to miss them, but it's great fun, and, judging by some of the published scores, there are a few gentlemen in the City of Brotherly Love who might wish for narrow alleys like ours. Here are our scores for Tuesday, May 8:

Player	1st	2d	3d	Av
Scott	170	203	198	190
Applegate		140	227	184
Berry	154	216	168	179
Mauff			157	157
Benson	171	119	173	154
Valentine	202	111	133	149

P. S.

At Chicago.

In the eight games played to determine as to which of the members of the Chicago club would play the St. Louis boys, Phil. Hauswirth beat John Degnan out for sixth place by an average of one pin. It was then decided by the two to play a match to consist of ten games, total pins to count, to decide the matter. Eight of these games were played on Anson's alleys on the evening of May 4, with the following result:

Degnan—169, 138, 144, 142, 194, 151, 159, 151; total, 1,248.

Hauswirth—125, 177, 130, 127, 143, 172, 155, 151; total, 1,180.

The latest advices are that the St. Louis party will not be here May 13, as previously announced, and the contest is indefinitely postponed.

With Philadelphia Gunners.

The redoubtable Florists' Gun Club met defeat in the first of a series of shoots with the Silver Lake Club, breaking 223 targets to their opponents 233, out of a possible 300. The contest was at twenty-five targets, twelve men on a side and here is the florists' record:

Harris	18	Burton	16
Park	23	Webster	7
Coleman	22	Cartledge	20
Ried	20	Hallowell	21
Bell	20	Anderson	23
Dorp	15	Landis	18

After the team shoot Anderson won two sweepstake matches, breaking fourteen in a fifteen target event and making a clean record in a ten target match.

The following is the record of the club shoot May 8; twenty-five targets at known and twenty-five at unknown angles:

Names	Known	Unkn.	Hdp.	Total
Hallowell	24	23	6	53
Anderson	25	21	6	52
Park	24	22	3	49
Coleman	21	21	6	48
Cartledge	17	21	6	44
Dr. Smith	18	17	8	43
Harris	16	16	13	42
Webster	16	7	14	42
Sheeler	12	10	20	42
Bell	19	16	7	42
Burton	17	15	9	41
Dorp	14	13	14	41
McKaraher	13	11	16	40
Eisenlohr	18	8	13	39
Westcott	13	11	13	37
Parsons	12	15	8	35
Clark	14	7		21
Hause	12	7		19

Points—Anderson, 3; Hallowell, 3; Park, 2; Coleman, 1.

Following is the score for the individual match for the high gun trophy, fifty targets, twenty-five known and twenty-five unknown angles:

Hallowell	47	Harris	29
Anderson	46	Dorp	27
Park	46	Parsons	27
Coleman	42	Eisenlohr	26
Cartledge	38	McKaraher	24
Smith	35	Westcott	24
Bell	35	Webster	23
Burton	32	Sheeler	22

Following is the score at fifteen flights of doubles:

Park	26	Eisenlohr	20
Hallowell	24	Coleman	20
Bell	23	Cartledge	20
Anderson	22	Harris	16

Following is the score at twenty-five singles, thrown fast, at unknown angles:

Harris	21	Burton	15
McKaraher	19	Sheeler	15
Dorp	17	Hause	9
Westcott	17		

Fake Reading Notices.

At a recent meeting of the Chicago Trade Press Association, an organization whose membership comprises the most influential trade journals in the west, it was determined to take some action to protect manufacturing and mercantile firms from the depredations of the "fake write-up men."

A number of alleged trade journals, several of them being printed in the southern states, send out thousands of circular letters to merchants and manufacturers, enclosing proofs of ingeniously prepared write-ups. Each person to whom a letter is directed is led to believe that he has been selected because of the prominence of his firm. The men whom it is sought to victimize are informed that no charge will be made for the printing of this complimentary notice, but that sample copies will be sold at 15 cents per copy, or at 8 cents per copy in thousand lots.

These journals have no legitimate standing in the community and represent nothing except the desire of their managers to extort money from business men. The circular letters are so shrewdly worded and the office of publication is usually so far removed from the persons to whom the letters are sent, that many firms have been victimized. Almost every department of industry is represented by one or more reputable journals, and manufacturers and business men generally are advised to communicate with publishers of whom they have some knowledge before being led into fake schemes.

DUBOIS, PA.—W. J. Olds has sold the Park Greenhouses to C. P. Hayward.

DES MOINES, IA.—I. W. Lozier, who has been ill all winter and who recently lost his store and Easter stock by fire, has suffered a relapse and is again seriously ill.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

	Per doz.
Beauties, long	$3.00 to $4.00
" medium	2.00 to 3 00
" short	.75 to 1.00
	Per 100
Perle	3.00 to 4 00
Bride, Bridesmaid	3.00 to 6.00
Meteor	3.00 to 6.00
Roses, our sel., ass't.,	3.00
Carnations, extra select fancy	3.00 to 4 00
Fancy stock	1.50 to 2.00
Medium grade	1.00 to 1.50

CALL ON US IF YOU HAVE ANYTHING TO SELL.

MONEY ON DEMAND.

We pay all shippers every Monday.
Don't let anyone owe you. Ship to us and get the market price and the cash each week.

KENNICOTT BROS CO.

42 and 44 East Randolph St., CHICAGO, ILL.

CUT FLOWER PRICE LIST.

	Per 100
Callas and Harrisii	$8.00 to $10.00
Pansies	.50
Daisies	.50 to 1.00
Mignonette	1.00 to 2.00
Lily of the Valley	3.00
Alyssum	.25
Narcissus Poeticus	1.50
Tulips	2.00 to 3.00
Sweet Peas	.60 to .75
Paeonies	4.00 to 6 00
Corn Flower, 25c per 100, $2 per M.	
Galax .....20c per 100, $1.25 per M.	

This year's customers must be ours next year. The VALUES we give are our best advertisements.

CARNATIONS FROM SOIL

All the New and Leading Varieties.
STRICTLY FIRST CLASS. WRITE US FOR PRICES.

ROSES, from 2¼-in. pots.

	100	1000		100	1000
Beauties	$6.00	$50.00	Maids	$4.00	$35.00
Brides	4.00	35.00	Perles	4.00	35.00

LAKEVIEW ROSE GARDENS, JAMESTOWN, N. Y.

Guaranteed strictly first-class stock and free from disease. Cash discount on 1000 lots. 500 at 1000 rates; 50 at 100 rates.

CARNATION ....CUTTINGS.

	Per 100	Per 1000
BRADT	$3.00	$25.00
McGOWAN	.75	5.00
PINGREE	.75	5.00
ARGYLE	1.00	7.50
SCOTT	1.00	7.50
TRIUMPH	1.25	10.00
FLORA HILL	1.25	10.00
ARMAZINDY	1.25	10.00

ROSE PLANTS

from 2¼-inch pots.	Per 100	Per 1000
METEOR	$3 00	$25.00
BRIDESMAID	3 00	25.00
BRIDE	3.00	25.00
LA FRANCE	3.50	30 00
AMERICAN BEAUTY Rose Bushes	2.50	20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

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CHICAGO CARNATION CO.

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JOLIET, - - ILL.

READY FOR THE FIELD.

LARGE Stock of **CARNATIONS** FROM SOIL.

Write for prices on what you want.

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TRY ORDERING SOME OF YOUR SUPPLY FROM US---JUST TO FEEL SAFE.

We Make a Specialty of

GRANDIFLORA CAPE JASMINE BUDS,

(The large kind), and prompt filling of "Quick Time" orders.

SEASON: May 8th to June 5th.

SUPPLY: Ample to fill all orders.

QUALITY: 100% better than '99 cut.

GUARANTEE: Fresh and fragrant condition on arrival at destination at any express point in United States or Canada.

EXPRESS RATE: 20% less than cut flower rates, and in some instances even more favorable.

PRICES: 75c per 100, $6.50 per 1000. 500 at 1000 rate.

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C. W. BENSON,
Alvin, Texas.

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AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

Cincinnati.

STATE OF TRADE AND THE MARKET.—BEDDING PLANTS IN GOOD DEMAND.—E. G. HILL STARTS FOR EUROPE.—OTHER NOTES.

Business has been rather quiet at the stores the past week but the market florists report a good trade in bedding plants. The supply of stock has increased enormously, especially in carnations, and prices have dropped several points during the week. Roses meet with a more steady demand and sell at fairly good prices.

E. G. Hill, of Richmond, Ind., started on May 2 for England, France and Germany and no doubt will bring with him, on his return, many new and interesting things.

The new store of J. A. Peterson, at Race and Fourth streets, is nearly completed and will be the finest and best equipped in town.

Charles Jones, of Walnut Hills, has started in the greenhouse business in connection with his McMillan store.

R. Witterstaetter is shipping regular consignments of his celebrated Enquirer to St. Louis and Chicago and reports good returns. H. SCHWARZ.

KANKAKEE, ILL.—Faber Bros. report trade good but they have some surplus stock which they have been consigning to Chicago; they are well pleased with the returns.

LENOX, MASS.—Samuel Henshaw, of the New York Botanical Garden addressed the horticultural society last Saturday evening, his subject being "The West Indies and Porto Rico."

Ethel Crocker

30,000 plants from soil for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50 100 for $10.00; 250 for $18.75; 000 for $75.00.

PANSIES Freya and Fairy Queen.

Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIAS.

Adonis, carmine with pure white throat, and Snowball, a pure white; they are always in bloom and a good plant for retail. 25 of each for $1.00 or $2.00 per 100, from 2-inch pots.

ALBERT M. HERR, Lancaster, Pa.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

GRAFTED

KAISERIN AND CARNOT

GILT-EDGE STOCK.

Plant NOW for summer bloom.

ROBERT SIMPSON, Clifton, N. J.

GENEVIEVE LORD

The ideal pink carnation. Strictly speaking, a commercial variety, yet size and exhibition qualities are not lacking. The color is that happy shade called by the ladies "just right." Its stem is unequalled by any carnation. It is a prodigious grower and the most remarkable producer of high grade blooms we have ever grown. An easy, rapid grower; makes large plants from late cuttings. We can promise prompt delivery after April 10th. Stock for delivery prior to that date all sold. Cuttings positively free from rust and in other respects very hard to duplicate.

Price: Doz., $2; 100, $10; 1000, $75.

Our catatalogue is now ready, giving complete description of above, also all of the other big new ones at introducers' prices. Also complete list of standard varieties, all the best new and standard chrysanthemums. Catalogue sent for the asking.

H. WEBER & SONS,
OAKLAND, MD.

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WE HAVE OUR USUAL FINE STOCK OF

American Beauty Plants.

JOHN BURTON, Wyndmoor, Philadelphia, Pa.

60,000 WINTER FLOWERING ROSES

Grafted and on their Own Roots.

SEND FOR PRICES. J. L. DILLON, Bloomsburg, Pa.

GRAFTED ROSES,

American Beauty, Kaiserin, Golden Gate, $10 per 100.

OWN ROOTS, FROM GRAFTED STOCK.

Golden Gate, Kaiserin, Meteor, strong stock ready for 3½-in. pots, $4 per 100, $35 per 1000.

S. J. REUTER, Westerly, R. I.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3.00 a 100, $25.00 a 1000.

J. B. HEISS,

The Exotic Nurseries. DAYTON, O.

Please mention the American Florist when writing.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowen	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1 00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

Boston Fern A SPECIALTY

Ready now, cut from bench for 6 and 7-in. pots, $4.50 and $6.00 per dozen, very fine. Small plants, $5 per 100; $40 per 1000. Orders booked for June delivery. 100,000 BEDDING PLANTS, very fine.

Geraniums, all kinds; Coleus, Alternanthera, etc., etc. Send for list. Rooted cuttings Coleus.

L. H. FOSTER, 45 King St., Dorchester, Mass.

CARNATIONS.

Strong, Well-Rooted Cuttings. Select Stock.

	Per 100	Per 1000
G. H. Crane	$6.00	$50.00
Morning Glory	6.00	50.00
Gen Maceo	6.00	50 00
Glacier	6 00	50 00
America	5 00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40.00
White Cloud	4.00	30.00
Mary Wood	3.00	25.00
Mrs. F. Joost	3 00	25.00

And other standard sorts.

F. DORNER & SONS CO., LAFAYETTE, IND.

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SMILAX.

From flats, by mail.....50c per 100; $4.00 per 1000
" " 2-inch.....$1.50 " $13 00 "
Hydrangeas, 5-inch pots.....$3.00 per doz.
" 4-inch pots..... 2.00 "
" Rooted cuttings, $1.25 per 100; $10 per 1000
Large flowering Canna roots.....$1.00 per 100
Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.

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ROSE PLANTS

FROM 2½-IN. POTS.

GOLDEN GATE, $3.50 per 100.
KAISERIN, $3.00 per 100.
PERLE, $3.00 per 100.

PETER REINBERG,
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FINE ROSES

We offer the following surplus stock of Roses from 4-in. pots, all healthy and wintered in cold houses, at $12 per hundred: Maman Cochet, Kaiserin Augusta, Perle des Jardins, The Bride, Marie Guillot, President Carnot, Clothilde Soupert, Marechal Niel, Golden Gate, Marie Van Houtte, and other good kinds.

Hoopes, Bro. & Thomas, Maple Ave. Nurseries, West Chester, Pa.

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Roses Wanted.

600 GRAFTED BRIDES, 2 1-2 inch....

ADDRESS

R. T. McGORUM, Natick, Mass.

Large-flowered Clematis, from 5-inch pots: best purple white and lavender sorts, at 18c.; packing free. These are fine, healthy plants of this beautiful flower, that I can guarantee to grow—in fact, I will replace free of charge, any that fail to do so.

W. H. SALTER, Rochester, N. Y.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

ROSE PLANTS

From 2½-in. Pots.

	Per 100	Per 1000
THE BRIDE	$3.00	$25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00

THESE are clean, strong plants, fully up to the character of the stock we have sent out in previous years. All stock is guaranteed, all orders are carefully filled and well packed.

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Washington, D. C.

Trade was light last week, good stock being quite plentiful but not much in demand. Roses, lilies and carnations, to a certain extent, have to make way for lilacs and other spring flowers. Thomas F. Walsh, commissioner to the Paris Exposition, gave a delightful outing to the Gridiron Club, Saturday, May 5, at Chesapeake Beach, the party numbering about 100. The large ball and dining rooms of the Casino at the beach were tastefully decorated by J. H. Small & Sons. P. G.

GALENA, ILL.—B. F. Vandervate raised 10,000 pansy plants and is finding them ready sale.

LEOMINSTER, MASS.—William Kiss, formerly of Fitchburg, has taken a position as superintendent of the floricultural department of the new establishment of Boutelle Bros. & Chapin.

NEW ALBANY, IND.—On May 8, at 2 p. m., a severe hailstorm passed over this city doing much damage. Of the florists A. Rasmussen suffered the most, losing about $100 worth of glass. J. Bettman & Sons estimate their loss at about $75. Oscar Trinler lost about $15.

For Summer Flowers.

Marguerite Carnation, (white); **Corn Flower,** (lilac and blue); **Gaillardia,** (single); **Poppies,** (oriental). The above at $4.00 per 100.

Cannas, started plants, Paul Bruant, Chas. Henderson, Queen Charlotte, Florence Vaughan and A Ferrier, (bronze) at $6.00 per 100. **Geraniums,** mixed varieties, strong plants from 4-inch pots, $7.00 per 100. **Violet Clumps,** California and Farquhar, $10.00 per 100. **Pres Carnot Rose,** 500 2½ and 3-inch pots, $4.00 and $6.00 per 100. **Am. Beauty Roses,** strong 3-inch pots, $6.00 per 100; $55.00 per 1000. **Cash or satisfactory reference.**

ROBERT F. TESSON, West Forest Park, St. Louis.

5000

Lady Campbell Violets.

Strong, Healthy Stock Plants,

$4.00 per 100. $35.00 per 1000.

H. A. JAHN, New Bedford, Mass.

NEW DAHLIAS.

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

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Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

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PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at **$2 00 PER 100** and up.

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The finest large flowering, fringed varieties grown. Not to be compared to cheap imported seed. Special florists' pkt. of 13 varieties, single and double, 500 seeds, $1.00.

PRIMULA OBCONICA GRAND. ROSEA. The finest of the improved obconicas, 1000 seeds, 50 cts.

CINERARIA SEED of finest large flowering dwarf varieties in best mixture, 1000 seeds, 50 cts.

The Home of Primroses. **JOHN F. RUPP, Shiremanstown, Pa.**

Leading Chrysanthemums.

White: Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jerome Jones, Independence. Weeks Yellow: Golden Trophy, Henderson, Johnson, O. P Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch. Pink: Ivory, Glory d. Pacific, Montmort, Morel, Perrin, Murdock. Bronze: Chas Davis Red: Geo. W Childs; out of 2½-in. pots, $2 50 per 100, $20 00 per 1000. Also, White: Lady Fitzwygram, Chadwick, Mayflower, Western King Yellow: Pennsylvania, Golden Wedding, Yellow Jones and H. W. Reimao. Pink: Autumn Glory, Pink Jones. Red: Defender, Schrimpton. Bronze: Lady Hanham; out of 2½-in. pots, $3 00 per 100, $25 00 per 1000. 500 or more of not more than 12 va rieties at 1000 rate.

ROSES. Bridesmaids, Brides and Perles, 2½-in., $3.50 per 100. $30.00 per 1000. Good Stock, Bridesmaids, Brides and Perles, 3-in., $5 00 per 100, $45 00 per 1000

Terms cash or will be sent C. O. D Satisfaction guaranteed or money refunded. Secure your stock by ordering early. We are the largest growers of Chrysanthemums in Illinois.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

VINCA MAJOR VARIEGATA

From 2¼-in. Pots, strong, ready to shift,

$3 00 per 100.

GREVILLEA ROBUSTA

Very fine stock, from 2½-in. pots. A bargain.

$3 00 per 100.

Nathan Smith & Son, Adrian, Mich.

IVORY 'MUMS

Fine, clean Stock.

2½-in. pots, $2.00 per 100; $17.50 per 1000.

BROWALLIA GIGANTEA

2½-in. pots, $3.00 per 100; $25.00 per 1000. 250 plants at 1000 rate.

Set of best 1899 **GERANIUM** novelties, $2.00 per set, worth $4 00.

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CASH PLEASE. Waynesboro, Pa.

Please mention the American Florist when writing.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...OF...

ARECA LUTESCENS,
KENTIA BELMOREANA,
PHOENIX RUPICOLA.

WANTED!

250 GERANIUMS Beaute Poitevine, 2 1-2 inch.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. **WAVERLEY, MASS.**

Bred in Old Kentucky

			Per 100
5000	Red Bruant GERANIUMS,	2 & 2½-in.	$2.00
5000	" " "	3½-in.	4.00
1000	AGERATUM Cope's Pet,	2-in.	2.00
1000	White or Purple HELIOTROPE,	3½-in.	4.00
1000	White & Yellow DAISIES,	3-in.	2.00
1000	COLEUS, all colors,	2-in.	1.50
1000	CANNAS, mixed,	4-in.	4 00
	FUCHSIAS,	3 in.	4.00
	CUPHEA—Cigar Plants,	2-in.	2.00
	MOON VINES,	3½-in.	4.00
	" "	2-in.	2.00
	Large COBÆA SCANDENS,	3-in.	5.00
	PARLOR IVY,	2½-in.	3 00

Cash with order.

C. L. BRUNSON & CO., Paducah, Ky.

A BARGAIN

In Surplus Bulbs.

Caladium Esculentum.

Small size.....per 100, $1.25
Medium size..... " 2.00
Extra large size..... " 4.00

Tuberose Bulbs.

Excelsior Dwarf Pearl. A No. 1 stock, 75c per 100; per 1000, $6.00.

Sweet Pea Seed.

Very best quality mixed. Per lb., 20c; 6 lbs for $1.00, by express.

Satisfaction Guaranteed. Cash With Order.

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Beseie Burton	Mrs. John J. Glessner
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Glory of Pacific	Mrs. O. P. Bessett
Ivory	Niveus
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J C. Whildin
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And others from 2½-in. pots, $2 per 100, $15 per 1000.

HARDY POMPON CHRYSANTHEMUMS

In 10 named varieties, 2½-in. pots, $2 00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1 00 per 100, $7 50 per 1000. "Cash with order."

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GERANIUMS.

The choicest standard varieties, true to name, such as everybody wants. Fine 2½-inch, $3.00 per 100 $30.00 per 1000. Rose Geraniums same price. Mme. Salleroi, strong 2-inch, 2c.

25,000 2½-inch ROSES—Brides, Meteors, Maids Perles and Woottons, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first-class.

PETUNIAS—Double Fringed, the choicest varieties to be had, including Snowball, strong 2-in. 2c., ready May 10th.

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5000 Geraniums, named, our selection,	4-in.,	$8.00
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500 'Mums, Mme. Desgranges	2½ "	2.00
2000 Fuchsias, choice mixed	2½ "	2.00
500 Variegated Vinca, trailing	"	20.00
1000 Hydrangeas, Thos. Hogg	5 "	15.00
2000 Flowering Begonias, our sel	2¼ "	1.50
5000 Double Mixed Petunias	4 "	6.00
1000 True Maidenhair Fern	2½ "	4.00
500 Dracæna indivisa	6 "	15.00

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OF THE STANDARD KINDS IN 2½ OR 3-INCH POTS.

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VIOLETS Now is the time to order Rooted Cuttings, A1 stock, free from disease; Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales. **1000 S. A. Nutt Geraniums**, rooted cuttings, $17.50. **Carnations,** rooted cuttings, from sand and soil, Daybreak, White Cloud, Gold Nugget, Flora Hill, Melba, Jubilee, etc., ready to be planted out. Send for price list.

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	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50
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COBÆA SCANDENS, 2-inch	" 2.00

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NANCY, double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

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Dracæna indivisa	$10.00, $15.00 and $20.00	per 100
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Geraniums. S. A. Nutt, etc.	2.50	"
Asters, trans. Queen of Market	.50	"
Heliotrope, 3-in. Jersey Beauty	4.00	"
Asparagus plumosus seedlings	3.00	"
" **Sprengerii** 3-in	6.00	"
Ageratum, Cope's pet, 2½-in	2.50	"
" Princess Pauline, 2½-in	3.00	"

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SWANLEY WHITE,

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FARQUHAR, clean, choice runners	$1.00
LA FRANCE, divided plants and rooted runners	2.50
BLUE DAISIES, Agathæa cœlestis, 2½-inch and from boxes, strong plants	2 50

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PRINCESS OF WALES	20.00
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Helpful Reminders.

The clematis is, perhaps, more in demand for outside planting than any other hardy shrub, and the percentage of failures is, I think, greater than with any other. Very many clematises are so damaged when received as to render them valueless with the ordinary treatment. The fleshy roots, which are considered valuable in proportion to their size, are simply the working roots made large by the storage of nutritious matter for the early growth. The more delicate fibers, if dried, render these fleshy parts helpless until new fibres can be formed. A plant will often be sent out, apparently quite vigorous, and just as leaves begin to form it will wither suddenly. The stored matter in the fleshy roots has been exhausted. Were the tender, fiber roots in condition for duty, the supply would have continued. Another common trouble is the breaking of the stem, frequently not more than enough to crack the bark. This will not always kill the plant but it always renders it liable to the attacks of insects or fungus diseases.

Training the vines on strong supports is quite necessary; loose strings or stakes are not sufficient. They should be given a good depth of rich soil that is porous. A clay subsoil is far better than gravel, as it affords a constant rising of vapor through the loam, which will come in contact with the roots that are spread out like a spider's web not many inches below the surface. The surface should be raked after a rain to prevent a hard crust. In very hot weather a mulching of leaves or hay should be given. Frequent waterings are advisable and the best way to give them is by boring two or three holes and pouring water into them. It is well to partly fill these holes with manure before running water into them.

The clematis is subject to the depredations of a very small worm in the roots, but this is killed by hard freezing and will hardly bother you unless the stock is imported from milder climates or grown under glass. C. B. W.

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Centaurea Gymnocarpa, 3-in., $2.00 per 100. Salvia, Clara Bedman, 2-in., $1.00 per 100. Salvia Splendens, drooping spikes, 75c per 100. Ageratum, blue and white, 2-in., $1.00 per 100. Heliotrope. Lemoine's Giant, 2-in., $1.00 per 100. Lantana, weeping, $2 00 per 100. Pansy Plants in bud (mixed) $1.00 per 100. Vegetable Plants transplanted: Cabbage Wakefield, 40c per 100. Tomato, Henderson's Crimson Cushion, Ponderosa, Maule's Enormous, Matchless, Acme and other varieties, 65c per 100.

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4-in. ..... 15 00 "
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Major and Major Var.
2-in. ..... $ 4 00 per 100
4-in., very fine .... 15 00 "

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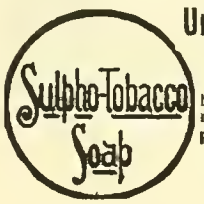

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New Haven, Conn.

Trade has been very good ever since Easter, with weddings, teas and funeral work. Cut flowers of all kinds have been in very good demand. Roses are somewhat mildewed from local growers but A. N. Pierson is sending in some very good stock from Cromwell. Easter lilies seem to be a drug on the market at present but carnations and bulbous stock sells very well. Violets are very small and poor and most of the growers have stopped picking them. The first corn flowers were seen last week, both blue and yellow, and found ready sale.

The New Haven County Horticultural Society will, no doubt, be reorganized in the near future. There was a meeting last week to take steps to that end, E. A. Taylor acting as secretary of the committee.

George Neal, the Westville florist, who has been ill with pneumonia, is about again.

Visitors: Robt. W. Greenlaw, Boston, Mass.; S. E. Banks, Westport, Conn; A. Herrmann, New York. G. H.

BRIARCLIFF MANOR, N. Y.—A school for practical training in agriculture will be established on Briarcliff farm by an organization of New Yorkers. The course will be thorough and require two years.

LA CROSSE, WIS.—Mrs. A. Guillaume is leaving this week for a European trip, visiting Holland, Luxembourg, Paris and London, returning about September 1. Mrs. Guillaume's daughters will attend to the business in her absence.

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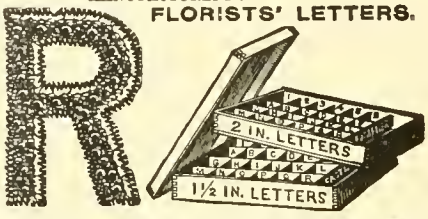

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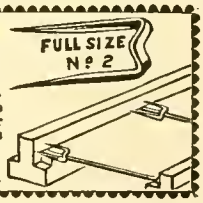

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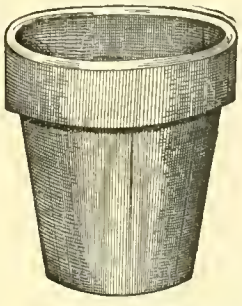

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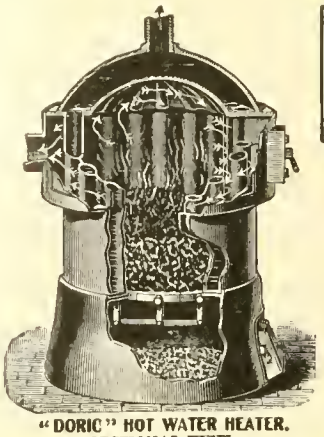

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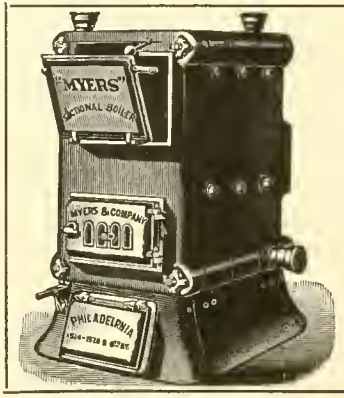

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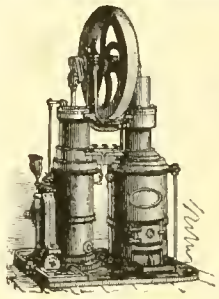

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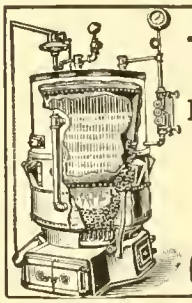

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Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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The Gardener, Florist and Flowers.

[Read before the Gardeners' Club of Baltimore, April 23, 1900, by George O. Brown.]

The first history of man dates from a garden, so he must have been a gardener or a florist. Judging from ancient history Adam's early experience must have been exceedingly pleasant, at least until his apple trees commenced to bear, then it appears he was able to raise Cain. The gardener or florist of to-day has more competition in every branch of the business than Adam did. It is a question whether the average florist appreciates how important a part flowers have in our lives; how their influence, like their sweet fragrance, pervades every atmosphere, so to speak, of our very existence. The terms florist and gardener in a sense are identical. It has well been said that a garden affords the purest of human pleasures. Nature in all her manifold combinations is an ever-interesting study that charms and astonishes. The blessings of nature are enjoyable alike to all. Cottage dwellers may enjoy their little garden or yard of flowers as fully as those who can afford to pay princely prices for the adornment of grounds. The improving of home grounds with trees, shrubs and flowers not only adds more attractions and cheerfulness, but endears the place to every home-maker and engenders a goodly spirit of proper pride. A woman writer pays the following tribute to ornamental gardening: "Nothing humanizes and adorns the female mind more surely than a taste for ornamental gardening. It compels the reason to act and the judgment to observe; it is favorable to meditation of the most serious kind; it exercises the fancy in harmless and elegant occupation and braces the system by its healthful tendency. A flower garden to the young and single of my sex acts upon the heart and affections as a nursery upon the matronly feelings. It attaches them to their homes; it throws a powerful charm over the spot dedicated to such deeply interesting employment, and it lures them from dwelling too deeply upon the unavoidable disappointments and trials of life, which sooner or later disturb and disquiet the heart."

The calling of the florist is one that is ennobling. The true florist is an ardent lover of nature and his occupation naturally draws him near to nature's God. Wordsworth wrote:

> One impulse from a vernal wood
> May teach you more of man,
> Of moral evil and of good
> Than all the sages can.

The florist is constantly sowing seeds of love, happiness, content and sacred tributes. His products often pass to other hands to fill varied missions. The ardent lover well knows "flowers are love's truest language," and the shrewd florist aids him in making up bouquets to continue unwavering in his belief, and quotes to him:

> Who that has loved knows not the tender tale
> Which flowers reveal when lips are coy to tell.

The florist will allow the infatuated youth to keep on sending bouquets until he has to hock his overcoat and run in debt to keep up the regularity.

The florist will still further open his heart and trust him to a greater extent than the young man's tailor will. He knows such debts are real debts of honor. A poet says: "Flowers are words even a babe may understand." So the youth keeps on with his floral tributes until he develops sufficient courage to produce a pop(py) of his own. Then after the florist has furnished the usual bridal bouquet he loses a good customer. Few florists understand how great a medium they are in making "parlor matches," what a link they are in many a matrimonial chain. How true the saying, "The course of nature is the art of God," and that of, "Nature never did betray the heart that loved her." What cheer, what joy does a little bouquet of flowers bring to the invalid. Its appearance will seem to brighten the whole room. How true the saying that: "Flowers will preach to us if we will but hear."

The writer has seen the languid eyes of the sick brighten with unspeakable joy at the sight of flowers and heard the faint voice ask that they be placed where they could remain constantly in view.

The tribute of flowers sent by friends to the house of mourning are beautiful, silent messengers that convey heart-speaking sympathy and love that is too sacred, too tender for tongue to express. When we visit Greenmount, that beautiful city of the dead, we see floral remembrances placed over the graves of dear departed ones. It is a most impressive sight. Flowers are indeed God's emblems of purity. When we see these faithful friends of the dead, with a force comes to our mind Byron's words: "Life is but a pendulum 'twixt a smile and a tear."

Who shall say that flowers have not even vital influence in our lives? Flowers convey to us all the emotions that enter into the better parts of our lives. They teach us to love the beautiful; we recognize them as God's gifts; they win our warmest admiration; we use them as

conveyances of our love, happiness, sympathy, friendship and as portraying our reverence for God. Still we must even then recognize with the poet that:

Such blessings nature pours,
O'erstocked mankind enjoy but half her stores.

There is something or some line that every florist may become especially skilled in. When one makes a great success in any one branch he is justly recognized as an expert. Such persons are sometimes called "cranks." However, when any florist has reached the point where he is called a crank he should go around behind his best greenhouse and heartily shake hands with himself and say, and say it out loud, too: "Well, old boy, let me congratulate you; you have become a success and are now envied." Success in any occupation is not stumbled into. There must be ability, capacity and ambition to bring it about. The true student of nature—and there are many of them who modestly allow themselves to masquerade as simple florists or gardeners—soon becomes a veritable artist. His discernment of artistic effects becomes exceedingly acute, and nature in all her varied forms and moods is studied with pleasurable interest. If we visit the many magnificent country homes in the vicinity of our city we find their surroundings have been made artistic, beautiful by the skill of the landscape gardener. We admire the effective distribution of the foliage plants, the groupings of the deciduous trees that so nicely bring out the contrasting foliage; the distribution of the conifers; the grand effect of massing the blooms of the flower-beds that so artistically blend the colors; the graceful windings of the walks that bring with each turn a vision of new beauty, all surrounded by a velvety green lawn. What has brought about this order of nature? It has not been a matter of chance. No; it is the skill of the landscape gardener, who, hand-in-hand with the florist, has transformed what might be termed a bit of untamed nature into harmonious artistic effects.

If he who makes two blades of grass grow where only one grew before is a public benefactor, then the florist who propagates thousands of plants from a single plant is emphatically a public benefactor also. The florist, though, makes his increase a much greater source of profit than the grass-growing benefactor. At the last flower show of the Gardeners' Club there was a unique decoration that attracted universal attention and favorable comment. The creation was not one of chance, for in the guiding hand every one could Sey-hold evidence of genius. In the same show, among the many evolutions in new creations—sports from seedlings, etc.—was a handsome "mum" the originator named—perhaps during a moment of emotional insanity—after the writer. That I had trouble for weeks afterward in wearing a hat of the usual size has become past history. The tribute, however, was fully appreciated, and I have been feeling like a sport ever since, and consider Mr. W. Paul Binder—he's all right—even above Parr.

For years Clifton Park, with its ancient farming methods, poison-oak-festooned fences and yellow dock and white daisy predominating fields, masqueraded as a park. At last a gardener was put in charge and the magic touches that knowledge knew were needed soon became apparent. May the good work continue to Flitt-on forever. Patterson Park, with its symbolic-of-nothing mounds and plateaus in its annex; its cheerless, treeless wastes, that might have been started parkward years ago, also now has a gardener at the helm. It will soon sail into public favor. Let us all hope these signs indicate that the time has at last arrived when the necessity and importance of putting none but gardeners on guard in our parks is recognized.

The coming exhibition of the American Carnation Society will be a historical event in the annals of this club. Every member should feel it his duty to aid the worthy president of this club to help give himself and the other members of that society a royal welcome, to extend to them the genuine proverbial Maryland hospitality. I have noted that some of the sayings of the members of this club are in a degree paradoxical They complain that flowers are sold in the markets at such low prices they cannot make the business pay any longer. If some of them expect to get any longer prices than they asked in the markets the Saturday before Easter Sunday, it will not matter what the market hucksters sell their truck for. The next thing I have noticed of the florist who makes such complaints is that he has started to build one or more new greenhouses, probably to further add to his poverty list. Since my association with this club I begin to flatter myself that I have become quite a student of florists' styles. Often I see a handsome woman come sauntering down the street behind a huge corsage bouquet. I study it—the bouquet I mean, of course—I want to satisfy myself whether I can tell by the makeup of the bouquet if it is a Hallidayian, a Feastanian, Seidewitzian, Smithsonian, Grahamania, Cookania, Bergerainan or not.

There are some shrewd florists. The poem of "The Man With the Hoe" doesn't fit many florists. I once read of an American florist who advertised in foreign papers giving an elaborate description of "the great American velvet plant." All his orders were filled with the mullein plant. Another florist, a student of human nature, once sold to a rich customer, whose financial resources were greater than his floral information, a big order of plants. He called everything by their highfalutin Latin names, so that the purchaser didn't know what he was buying. He didn't know what is in a name. The customer came back, however, and reported that there had been some mistakes, as the helianthus that was sent him was nothing but a devilish big sunflower, the celosia was nothing but a blamed little sawed-off coxcomb, salvia was only sage and the amaranthus was nothing but the princess feather.

Landscape gardeners should know that there are many locations where "nature unadorned is adorned the most." I read an article in *Meehan's Monthly* about a year ago written by Prof. H. E. Van Deman that greatly impressed me on this point. I made the following clipping, which I thought might come into use some time. It is as follows: "It is not always possible to save all the delightful parts of a natural landscape in making a new home on a suburban lot, or in the country proper, but if the heart of the landscape gardener is right and he has sufficient skill he can do much to preserve the beautiful. It certainly becomes him, and is worthy of his deepest study, to appropriate without destroying the gems of beauty which it has taken many years, if not ages, to create. Let those who may be interested with the planting of country places give more heed to the inspiration of nature and less to those of art."

In some of the school windows we see flowers growing in flower pots and boxes. In some of the schools this has become quite a feature, and it is justly claimed that the pleasant departure is a valuable aid in school education; that the observing faculties of the interested children are rapidly improved.

There is something about the old-time gardens, those with which our great grandparents were associated, that has an especial charm to us, a sort of romance, pictures of a by-gone period, wherein we feel there was more real enjoyment of nature, more reverential appreciation than there is at the present day. Oh, if those old gardens could only talk, what sweet tales of love they could relate. The boxwood bordering the walks, perhaps, would tell the bowing welcome they used to give to the earnest, honest lovers of those days; the quaint old garden seats would tell of the sweet content and happiness of the ardent couples who used to patronize them; the old-

GROUP OF SEEDLING CYCLAMENS IN 7-INCH POTS AT J. S. BAILEY'S, BOSTON, MASS.

EMILE LEMOINE CROSSING DEUTZIA PARVIFLORA WITH THE POLLEN OF D. GRACILIS, THE LATTER IN THE FOREGROUND.

time flowers would proudly tell what great favorites they once had been. Who can say if all the truth of those days of yore could be revealed that they would not disclose a truer happiness than is the portion of most mortals of to-day. I have visited old-time gardens in Charleston, S. C., and other places that made me take off my hat in reverence to the memories that I felt must still linger there. They made me feel the truth of the inspired poet who wrote:

A lesson in each flower,
A story in each tree and bower,
On every herb on which we tread
Are written words which rightly read
Will lead us from earth's fragrant sod
To hope, and holiness, and God.

Last spring I went home one day and found a nice little collection of potted plants. There was no card to indicate who the guilty party might be that had left them. Wife said she had asked, and the reply given was, A Friend. I thought I detected marks of a member of this club. As I do not personally know, however, Mr. A Friend, if he is present I desire to render thanks, late as it is. The hours of care I gave those plants were hours of pleasurable enjoyment. When I used, later on in the season, to go down to the office mornings with a fresh, bright-hued bouttoniere that had been plucked from my own garden I know I felt as proud as though I was the owner of several greenhouses losing money in the florist business.

In these wandering remarks neither my intention nor expectation has been that I would impart any information. My aim has been to do my humble part as an honorary member of this club, and to show, as well as I could, what the gardener, the florist and flowers seemed to be from a newspaper man's point of view.

I have in my time belonged to a good many clubs and associations. It is a gratification for me to state that in none of my associations have I ever found a more generous, brotherly, kind and considerate lot of gentlemen than those comprising the Gardeners' Club of Baltimore. Permit me to close my essay by reading the following tribute to flowers, which was, of course, written by a woman:

THE USE OF FLOWERS.

God might have made the earth bring forth
Enough for great and small,
The oak tree and the cedar tree,
Without a flower at all.

We might have had enough, enough
For every want of ours,
For luxury, medicine and toil
And yet have had no flowers.

The ore within the mountain mine
Requireth none to grow;
Nor does it need the lotus-flower
To make the river flow.

The clouds might give abundant rain,
The nightly dews might fall,
And the herb that keepeth life in man
Might yet have drunk them all.

Then, wherefore, wherefore are they made,
All dyed with rainbow light,
All fashioned with supremest grace
Upspringing day and night;

Springing in valleys green and low,
And on the mountain high,
And in the silent wilderness,
Where no man passes by?

Our outward life requires them not,
Then wherefore had they birth?
To minister delight to man,
To beautify the earth,

To comfort man, to whisper hope
Whene'er his faith is dim;
For whoso careth for the flowers
Will much more care for him.

Cyclamens.

Our illustration is from a photograph of plants grown for exhibition by Wm. Donald, gardener to J. S. Bailey, West Roxbury, Mass. Mr. Donald gives his method of culture as follows: "The seeds were sown about the middle of December, 1898, and grown along in the ordinary way. The only thing I am particular about is the soil used in potting. Good, fresh, fibrous sod is about the best thing I know of, and is mixed up so that there is little possibility of its getting sour. The plants receive no liquid fertilizer of any kind; a small amount of sheep manure is mixed in the soil for the last shift they get, which is from five-inch to seven-inch pots about the last of October. One of the most important points in an exhibition plant is good, clean, luxuriant foliage, grown symmetrically and covering the pot as far down as possible. Next in importance is the petiole, which ought to hold the flower just clear of the foliage and as little higher as possible."

The New Deutzias of Lemoine.

The name of Lemoine is so well and favorably known in connection with new varieties and hybrids of garden plants that the following particulars with regard to deutzias and the work of that firm with them, supplied by Emile Lemoine, cannot fail to be of much interest to our readers:

"Deutzia parviflora was described by Prof. C. S. Sargent, director of the Arnold Arboretum, in *Garden and Forest*, September 26, 1888. A woodcut accompanied the note. This is a hardy shrub, with erect branches covered with

small corymbs of white flowers, very different in shape from other deutzias, for the individual flowers, with their round petals, have the appearance of the hawthorn. Prof. Sargent, who had received the new plant from the St. Petersburg Botanic Garden, sent us some branches of it and we were able to offer it first in Europe in the spring of 1891.

"After many fruitless experiments in an attempt to raise hybrids between the well known Deutzia gracilis and other species of the genus, such as D. crenata and its varieties, we renewed our efforts, using the pollen of D. gracilis to fertilize the flowers of D. parviflora. It is useless to detail the many and tedious precautions employed to avoid the intervention of wind and insects, as well as the numerous flowers of the shrub which was the subject of the experiment. The result was that we were able to save some seeds, which came up and produced a variety of new deutzias, which proved to be almost intermediate between the parents.

"Of these hybrids only three were retained and eventually introduced to commerce. The first of them was offered for the first time in the fall of 1895, under the name of Deutzia hybrida Lemoinei. It is a shrub of medium size, as hardy as its parents, covered from top to bottom with large panicles of flowers, each of them carrying from fifteen to twenty-five well expanded flowers, as erect as those of D. parviflora but with large, triangular petals, as showy as those of D. gracilis, but with a much better habit. The shrub is perfectly adapted to forcing purposes.

"Another variety of the same origin was sent out by us in the autumn of 1897, under the name of Deutzia Lemoinei compacta. As indicated by the name, the shrub is more bushy than the preceding variety; the flowers, if smaller, are much more numerous. A third variety, named D. Lemoinei Boule de Neige (Snowball) was sent out last fall. Although intermediate between D. gracilis and D. parviflora it shows a stronger relationship to the latter, its panicles being hemispherical and very large; the flowers also have a very good substance and the infloresences are aggregated on the upper parts of the shrub.

"The foregoing varieties do not by any means exhaust the list of recent hybrids of deutzias, for within the past five years we have produced some very interesting forms in crossing D. gracilis with a new species, introduced from China some years ago by the Museum of Natural History of Paris, under the rather lengthy name of Deutzia discolor purpurascens. This hardy shrub is very showy with its numerous clusters of pink flowers and we have secured intermediate forms between it and D. gracilis and between it and D. parviflora. D. gracilis rosea, D. gracilis venusta, D. gracilis companulata and P. discolor grandiflora are the varieties which we have already put in commerce."

DEUTZIA LEMOINEI BOULE DE NEIGE.

Indoor Culture of Lilium Harrisii and L. Longillorum.

[*Paper read by Joseph McGregor at the April meeting of the Pennsylvania Horticultural Society, Philadelphia, Pa.*]

Having been asked to speak on this subject I will give, as briefly as possible, my own experience and mode of culture. This question has been asked: Which is better, Lilium Harrisii or L. longiflorum? I have never been able to get the same results from L. longiflorum that I have from L. Harrisii, but I think this is on account of not being able to secure as large bulbs of longiflorum. It is claimed that this latter variety is less subject to disease. Both varieties require about the same treatment.

It has been my custom to pot the bulbs just as soon as received, about the end of August, using any ordinary potting soil such as is used in growing roses and carnations, but I would not advise a very liberal use of manure at this potting. Much has been said as to whether it is better to start the bulbs in the pots in which they are to bloom or in a smaller size and then shift them on to the flowering size later. I have practiced both methods with good results but prefer to use small pots when starting the bulbs, and then shift them later into larger pots.

For the largest bulbs of L. Harrisii a 6-inch pot is best. Medium bulbs may be started in 5 inch pots and for small bulbs 4-inch pots will do. After potting place them closely together in a cold frame in any out of the way place, and give a good watering. Cover to the depth of two inches with coal ashes or sphagnum moss; they will then require very little attention for the next two months, or until November 1, when they should be protected with sash or shutters at night, as they will be pushing through the covering and must be kept from frost.

Early in December they should be removed to a cool house and kept at a temperature of 50° to 55° at night. By this time the pots should be well filled with working roots and the plants should be four inches to six inches high. They should then be shifted into their flowering pots, which should be two sizes larger than those in which they were started. This time use good soil, well mixed with one-third well-rotted cow manure. After potting, water well. Care must now be used in watering; do not give too much water until the roots take hold of the new soil. When the plants get to be sixteen or eighteen inches high they should be staked, other-

wise they will become bent and unsightly. The plants will by this time be in such condition that they may be brought into bloom at the will of the grower.

If wanted to bloom April 1 the flower buds should show by February 10. To keep free from insects syringe occasionally with tobacco extract, or fumigate, and water with liquid manure. Lilies grown this way will be very satisfactory, more so than those pot'ed late and then finished by forcing in a temperature of 80° to 90° during the last two weeks before flowering, as many growers do, and then wonder why the plants collapse so soon.

CARNATIONS.

MANURE AND GROUND BONE.

ED. AM. FLORIST:—You will oblige by asking in your columns what proportions of manure and ground bone are used in the composition of soil for the cultivation of carnations under glass.

B.

We use a little less than one-third manure in carnation soil. As the soil is made up, enough bone is put over each layer to well whiten it. If the bone is somewhat coarse more must be used, and it should be mixed with the soil as early as possible so as to become partly decomposed. When we can get the very fine bone good results are obtained by applying when soil is in the bench and working it in. This grade of bone will go nearly twice as far as a coarser article. W. N. R.

GROWERS' SUMMER PROBLEMS.

Except with those growers who make the carnation a specialty this is a season of so much work that the carnations are apt to be neglected, and yet a little consideration will determine that there is as much profit in a good crop of carnations for Memorial day as in any other stock on the place. Possibly second grade stock may sell reasonably well upon this occasion, but the grower who values his reputation will have as good stock as the season will permit, even if the few dollars spent in having such stock will not bring the same percentage of profit that they would if invested earlier in the season.

I hear the constant cry of "over-stocked market." This is the natural result of the warm April, and, while a decided annoyance to both the growers and the commission men, can be and should be relieved by the growers. If your commission man has your interests in consideration he will advise you every few days of the condition of the market, and stock that does not pay for the cutting and packing can be donated to a hospital. The plants can thus be kept in good shape to make their crop for May 30.

Their are few commission men who keep their growers in constant touch with the market through a glut, as they claim that their business is practically run at a loss over such periods, but a little persistence on the part of the grower will bring the information and the commission man and the grower will both be benefited, as the grower will not be ignorantly piling unsalable stock on the market.

Why can not the commission men and the growers have a meeting in New York in conjunction with the S. A. F. convention this summer and formulate a flexible set of rules to govern their ever increasing business. There will not in a long time be such another favorable opportunity, and the money that could be saved to both sides would aggregate a large amount. ALBERT M. HERR.

DEUTZIA PARVIFLORA.

New York.

HOTTEST WEATHER ON RECORD.—ROSES SHOW RESULTS OF TORRIDITY.—PRICES TOO LOW TO MENTION.—WHITE CARNATIONS SCARCE.—THE CLUB MEETING.—ANOTHER CUP FOR BOWLERS.—A BIG TULIP BED.—VARIOUS NOTES.

We have been experiencing for a few days past the hottest weather on record for the month of May, the mercury having gone as high as 102°. The effect of this sudden jump to summer, on the cut flower product, can be imagined. The roses, naturally, show the worst effects and the quantity is such that even the prevailing job lot price of $2.50 a thousand is no temptation to the Grecian speculators. Everybody must make his bow to these indispensable gentlemen under present conditions, and nobody understands it better than the Greek himself. He is particular as to quality at such times and turns up his nose contemptuously at the lower grades of roses. A little more of this torrid weather and there will be nothing to select from except lower grades, however. Carnations are like everything else, very abundant. This does not mean white varieties of good quality which are far from plentiful.

The club meeting on Monday evening was well attended for such a hot night. The principal business was on matters connected with the convention preparations. President O'Mara briefly outlined the progress made by the various committees since the last meeting and his remarks on the general situation as to prospects and preparations showed that all matters are progressing in a most satisfactory manner. The treasurer stated that so remarkable has been the success with the souvenir catalogue, in advertising, etc., that the proceeds therefrom will run far beyond expectations. Mr. Roehrs reported, for the sports committee, that fine bowling alleys and shooting grounds had been secured for August and a communication from Hitchings & Co. announced the offer of another $100 cup for the bowling tournament. W. A. Manda, for ways and means, and A. Wallace, for press, made satisfactory reports also. Daly Bros. had a pretty pink geranium on exhibition, a sport from Contrast. A request for another exhibit of the variety was made by the judges.

On Thursday, May 17, Hitchings & Co., put the finishing touches on the Botanical Garden range of houses and completed the contract. Messrs. Hitchings are to build also a large plant growing house and propagating house with office and work room, in Bronx Park proper.

A tulip bed in the form of a brilliant butterfly is attracting admiring crowds to Prospect Park South, in Brooklyn. This mammoth insect measures seventy-five feet from tip to tip of the wings. The antennæ are ten feet long and it took 5,000 bulbs to construct him.

The auction rooms are packed with buyers on the sales days this week, and the quantity of bedding stock disposed of is enormous. Prices are excellent, particularly on the best grades of geraniums.

P. Riley, at the Brown estate in Flatbush, has fifty fine plants of the pure yellow calla, of which more than half are in bloom, all raised from one sowing of seed.

B. Suzuki, of Suzuki & Iida, has arranged to sail for Europe on June 16, per steamer Campania.

C. W. Ward has taken a sudden trip west, owing to information of the severe sickness of his father.

In town: Chas. Greening, of Monroe, Mich.

Boston.

MARKET IN A WHOLESOME STATE.—SUPPLY AND DEMAND WELL BALANCED.—LONGIFLORUMS TOO PLENTIFUL.—COLD WAVE HITS EARLY BLOOMS.—ROTHWELL GETS A MEDAL.

This week has started off with a very good beginning, so the wholesalers report. Prices are low on most goods but business is fairly steady for the time of year. Early last week the warm weather forced in a heavy cut which had to be unloaded cheap but the sudden cold wave gave a different tone to the market and there has been a gratifying bustle ever since, with supply and demand nicely balanced. Roses of the higher grades are doing well. White carnations are actually scarce but colored varieties seem in excessive supply. A quantity of "frame valley" is coming in and in a few days the outdoor crop will appear, putting an end to regular values on this article for a while. The quantity of longiflorum lilies being received is too great for the market and very low figures prevail. This is the product from the bulbs that could not be brought in for Easter, of which there was a larger percentage this year than usual. Those growers who succeed in timing them for Decoration day will have no trouble in selling for good prices, however.

The annual report of Superintendent Pettigrew of the Boston park department is just out. It is a very interesting document, describing in detail the work that has been done during the last year, and embellished with several attractive reproductions of photographic views. It appears therefrom that the expenditures for land, construction and maintenance for the year 1899 amounted to $1,575,712 65. The entire cost of the Boston park system from the time of its beginning in 1875 up to the present year has been $16,627,033 59, of which $7,314,386.68 was for land and $9,312,-646 91 was for construction. This does not include any part of the general park system outside the boundaries of the city of Boston, the ontside, and much larger areas, being under the control of the Metropolitan park department, a state institution.

The cold wave last week did much damage to early flowering trees and shrubbery in this section. Magnolias were in full bloom and the flowers were entirely destroyed. Wistarias in bud were severely injured and the foliage of astilbes and other soft growing herbaceous plants was blackened to the ground. The ground was frozen hard on Thursday night and ice half an inch thick formed on water. The effect on the fruit crop is not yet known but the loss on asparagus and other early vegetables must have been considerable.

A silver medal was awarded to J. E. Rothwell at Horticultural Hall on Saturday, May 12, for Cattleya Schilleriana, a hybrid between C. Acklandiæ and C. guttata. It was a handsome specimen, bearing three flowers.

The completed plans for the new home of the Massachusetts Horticultural Society are now on exhibition in lower Horticultural Hall.

Visiting Boston: Mr. and Mrs. H. A. Siebrecht, Jr.

Philadelphia.

TRADE VERY SLOW AND THE WEATHER GETS THE BLAME.—PLANT TRADE BOOMING AND SUPPLY SHORT OF DEMAND.—PRICES TOO LOW.—PALM GROWERS GETTING INTO SHAPE.—AT EDGELY.—EUROPEAN VOYAGERS.

A hot wave has played havoc with business, at least so some say, as trade is light and something must be blamed; as the thermometer has been up in the nineties the past few days, the weather gets the credit. Things are, however, about as usual for the time of year. There is a great deal more stock than can be handled in the regular channels and it's a poor fakir that can't make a dollar or two these days. Good stock costs the retail stores $6 for Bridesmaids, Brides and Kaiserins; Meteors, $3 to $4, Beauties, $2 per dozen; carnations from $1 to $2; lily of the valley, $3; sweet peas from 50 cents to $1 per hundred. While the cut flower market is so overstocked, the jobbing gardeners are at their wits ends to get plants in condition to set out. Either the demand is greater than was anticipated or else the growers, for some reason, have not kept pace with the ordinary increase in demand. With this condition of things it seems as if a little slice of the good times might be shaved off, in the shape of better prices; $10 per hundred for 4-inch pot geraniums, heliotropes, etc., used to be the standard; now it is down to $8 and even $7 per hundred.

The palm men are busy now getting the stock potted up for the summer's growth, an early start being a great advantage. Joseph Heacock has his large new palm house finished and is spreading out and giving his plants the needed room. Arecas have heretofore been his specialty but he will next season have some large kentias just as finely grown as are the arecas. With this addition to the Philadelphia palm supply, this city will be able, without trouble, to still hold supremacy in this branch of the business. We hope that the growers are not forgetting the Boston fern and will have a good stock in the fall, of plants that will wholesale at from $1 50 to $3 each. This size is very desirable and there was not near enough during the past season to supply the demand.

The Floral Exchange people are much pleased with the reception of their new rose at Boston, receiving in addition to many flattering notices and praises from visitors, the silver medal of the Massachusetts Horticultural Society. Edgely is getting to be quite a Mecca for rose growers. New houses are going up to hold young stock and several will be filled with plants grown to show the great possibilities there are in Her Majesty.

Chas. P. Poryzell, the Fifteenth street flower merchant, has sailed for Greece on a visit to his former home and also to do the Paris Exposition. Alexander Scott, of Robert Scott & Son, will also soon take a trip abroad. If he should bring back something as good as Liberty it would not surprise us in the least. K.

Chicago.

MARKET EXPERIENCES A LONG CONTINUED SURPLUS OF SUPPLY.—SOFT STOCK IN UNWIELDY QUANTITIES.—GROWERS MUST "GRIN AND BEAR IT."—WHOLESALERS NOT HAPPY.—MORE BUILDING CONTEMPLATED.—VARIOUS NOTES OF DOINGS IN THE TRADE.

From early spring to midsummer and then to autumn has been the gamut traveled by the erratic weather of the week and the result has been the utter demoralization of the cut flower market. The sudden heat brought on stock with a rush; roses popped open in a night and carnations bloomed as never before; outdoor stock, too, responded to the hastening heat of the sun and the wholesale houses were piled full of material of the very poorest quality, much of it unfit for any use other than that of the street peddlers, and very little which was good enough to send out in response to the few shipping orders. The result was, of course, that except for the very small percentage picked out for shipping, and which was worth fair prices, the great bulk of the cut sold for whatever the purchaser was pleased to offer, and any sale was counted a good sale. Even such stock as white pæonies hung in wholesalers' hands and there was not an item which moved without forcing. Such a condition is mightily displeasing to the growers, especially following as good a season as the splendid one just past, but there is no use of "kicking;" the commission man has as much cause for complaint as any one. The chances are that, with the continuance of the cool weather which arrived Wednesday, or even of weather of moderate degree, the cut will be materially

reduced and qualities will improve to something like normal; at any rate things will soon be down to the summer level and growers will have time to get rid of the severe attacks of mildew with which some of them are contending.

The Geo. Wittbold Company still has a little land unoccupied at their location in the residence district of the North Side and the boys propose to cover this strip with two houses 25x150, using Garland's gutter. It is likely that at no very distant day the Wittbold Company will build a range of plant houses just outside the city where they can have room to grow.

John Muno is thinking of putting up a little glass for carnations later in the season. He thinks good varieties of carnations paid as well as roses this season and next fall will bench such sorts as Crane, America, White Cloud, Flora Hill and a few of The Marquis. He also has a trial lot of Liberty rose.

The hot weather brought a rush of business to the men who grow bedding plants. Fair prices are being obtained this season and there is already a prospect for a shortage in many lines, particularly well grown geraniums.

W. J. Malloy, 380 Aldine place, is laid up for repairs as the result of an attack by the dogs of a customer for whom he was doing some planting. He had the owner of the dogs arrested for harboring ferocious animals.

E. E. Pieser says that in all the years of his activity in the commission business he has never seen such an unmanageable over-supply in this market as that just experienced, and the other wholesalers agree with him.

P. S Peterson, the senior proprietor of Rose Hill Nurseries has gone to Europe, leaving almost immediately after his return from a thirty-seven days' excursion to Mexico.

L. P. Walz informs us that he is not looking for a position, having started in business on his own account at Michigan avenue and Forty-first street.

McKellar & Winterson are pushing out after business in the supply line. They are now making their cycas wreaths on the premises and are pleased with the results.

J. B. Deamud will soon have E. H. Hitchcock's new crop fancy cut ferns, shipped from Glenwood, Mich.

It is good news to the builders, that iron pipe is down in price. Unfortunately the price of glass shows no decline.

Wietor Bros. yesterday started the work of glazing their big additional range.

Many of the wholesalers have added 50 cents to the price of ferns.

W. E. Lynch is confined to his home with an attack of pneumonia.

Visitors: Geo. M. Brinkerhoff, of Springfield, Ill.; Mr. Ellison, of St. Louis, Mo.

Denver, Col.

There is an over-supply of stock of all kinds in this market and the hot weather has made buds so soft that they do not last long.

Daniels & Fisher are adding largely to to their Shawford's Farm greenhouses. Mr. Ortman, who succeeded Geo. M. Geraghty in the management of the business of this department of the store, is doing well with it.

Grimes & Sons are already finding an improvement in their business because of the opening of Highland Park, just opposite their greenhouses. Visitors are thronging the new park and not a few of them are crossing to the florists'. A. E.

St. Louis.

CAR MEN'S STRIKE TIES UP BUSINESS DOWN TOWN.—PRICES ARE WHATEVER ONE CAN GET.—BOWLERS WILL PRACTICE UP.—NOTES OF INTEREST HERE AND THERE.

On account of the street car strike, on all the lines in this city, trade for the past ten days has been paralyzed. The west end florists report business unaffected, but down town even the street fakirs, who are selling carnations for 10 cents a dozen, complain of nothing doing. Wholesalers' receipts are heavy, but deliveries very light. They find it necessary to accept almost any offer for their stock. The bottom has dropped completely out of the retail market on roses, one dealer at a prominent Olive street corner advertising them two dozen for 25 cents, but farther west on the same street they bring higher prices. Carnations of fair grade in the colors sell for 15 cents per dozen, running up the scale to 75 cents, as you approach the fashionable residence portion of town. Good whites are 50 cents. Among cut flowers on sale are sweet peas, pansies, pæonies, lily of the valley and dianthuses, but the demand for all is very weak.

J. J. Van Waveren, of Hillegom, Holland, visited us last week and stated that prices on Dutch bulbs will average about the same as last year. There has been an unusual number of Holland bulb salesmen here this season, but it is believed they did not carry away with them the usual number of orders.

The Englemann Botanical Club holds its regular meeting to-night to discuss current botanical questions. The membership in this club is steadily increasing and great pleasure as well as instruction is certainly derived from its field-meets during the spring and summer months.

The St. Louis Florists' Bowling Club has not met for two weeks, but the "boys" expect to get together next Monday and trim up for that Chicago match. Many of the members have been too busy of late with outside work to have the time or inclination for bowling.

The feature of the June meeting of the Florists' Club will be a competitive exhibition of mixed flowers in vases for prizes of $5, $3 and $2 respectively.

Luther Armstrong, who was reported ill in a previous issue, is around town to-day.

J. M. Hudson is confined to his bed with an attack of Bright's disease. M.

Indianapolis.

BUSINESS RETARDED BY THE WEATHER.—BUILDING PROJECTS AND OTHER MATTERS.—A VARIETY OF PERSONAL DOINGS OF INTEREST TO THE TRADE.

Business in Indianapolis continued excellent until about a week ago when the extreme hot and dry weather slackened the demand for bedding plants, but a good rain and a little more spring-like weather would bring about the desired change.

The Indiana Flower and Plant Company has nearly completed its new boiler shed and cellar. The cellar is fifteen feet deep and will have ample space for two 120 horse-power boilers, the largest in use in the city. For the present only one boiler will be placed. This concern has one of the finest collections of pæonies in this state. A few nice showers would bring them out in grand shape. Their collection of Iris Kæmpferi is also very fine.

New greenhouses are planned by the following firms: Bertermann Floral Co., one house, 16x112; August Grande, one house, 10x50; John Grande, one house, 10x110; John Heidenreich, one house 20x100; Fred. Huckriede & Son, one house 10x75. Henry Rieman is also planning an addition to his range of glass, but he has not definitely decided how much, and John Grande will put in another boiler.

All of the Indianapolis florists who are interested in co-operative coal buying are earnestly requested to be present at the June meeting of the florists' association, prepared to state how much coal they will require for next season and how much can be delivered to their places before September 1. It is essential that the coal committee have this information before taking any further steps.

Irvin Bertermann, of the Bertermann Floral Co., has a new way of filling fancy baskets. Instead of the tin dishes to retain moisture he uses a piece of rubber cloth. This, in addition to its cheapness, has the great advantage that it can be made to fit any desired shape of basket.

Bauer & Smith are so much encouraged by their success in carnation growing that they will drop roses entirely and make carnations their specialty.

The numerous friends of Sydney Smith are pleased to hear that a little girl has put in her appearance at his house.

Alfred Pahud left last week, accompanied by his oldest daughter, for his long planned trip to France.

J. D. Carmody, of Evansville, is in the city this week, attending the G. A. R. state encampment.

Philip Conway, who has just finished his first year in business, is well pleased with his success.

William Bertermann has returned from his trip to the south much improved in health. H. JUNGE.

GLOUCESTER, MASS.—Fred. L. Barrington is planning the addition of a 70-foot house to his establishment on Proctor street.

CLYDE, O.—O. P. Horton and J. A. Trickett have started in business as the Clyde Floral Co. They have a modern greenhouse.

ANDERSON, IND.—John Cook, late with Stuart & Haugh has resigned his position and taken charge of the greenhouses of Wm. Beeman, Knightstown, Ind.

HILLSDALE, MICH.—During Admiral Dewey's visit to Chicago, Carl Hirsch, whose pleasure it is to have chrysanthemums out of season, sent him two large boxes of excellent blooms.

ANDOVER, MASS.—The Florists' and and Gardeners' Association held a meeting at the Town House on the evening of May 4, when a paper on carnations was contributed by W. L. Johnson.

OKLAHOMA CITY, OKLA.—The Oklahoma Floral Co., Geo. L. Stiles, manager, has just completed the installation of a private system of water works. They are now to build a new carnation house.

BROOKLYN, N. Y.—S. Jacobs & Sons, manufacturers of greenhouse building materials, have moved their office from 406 West Thirteenth street, New York, to Flushing avenue, Brooklyn. The post office address of the firm is now Metropolitan, N. Y.

BRAMPTON, ONT.—H. Dale is building a range of six houses eighteen feet wide, without partition walls. They are to be glazed with English glass, 16x16, and for heating steam boilers of 120 horse-power are to be installed.

THE AMERICAN FLORIST

Subscription, $1.60 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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No Special Position Guaranteed.

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Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

"Go forth in haste, with bills and paste
Proclaim to all creation
That men are wise who advertise,
In every generation."

THE demand for bedding material seems to exceed the supply very generally throughout the country.

THERE are increased calls for cannas this season and started plants of the best varieties are widely sought.

THE price of iron pipe has taken a decided tumble this week. The trust is reported to be overstocked and to have cut the price thirty per cent.

THE seventh annual chrysanthemum show at Houston, Tex., is to be given November 15 and 16. It is for the benefit of DePelchin Faith Home and premium lists may be obtained from the secretary, Mrs. M. E. Bryan.

As a result of the brisk sales of bedding plants and the early depletion of supplies, recourse will be had to materials not commonly used for this purpose, and a pleasing and healthful variety in plantings should be the result.

APROPOS of Robert Craig's remarks anent the form of azaleas, it may be stated that S. Taplin, the veteran Detroiter, has for many years grown azaleas of natural, graceful shape and found them readily salable in competition with the flat topped ones.

AN extensive exhibition of roses, including all the leading novelties, will be held this year at Trier, Germany. Some 30,000 standards and dwarfs have been planted in the open ground for this purpose. The German rose society will meet at Trier about June 27. For further particulars address the secretary, P. Lambert, Trier, Germany.

Growing Geraniums for Cuttings.

ED. AM. FLORIST:—I have purchased some of the new varieties of geraniums and wish to secure as many cuttings from the plants as possible before September 1. What shall I now do with the plants having this object in view, grow them in greenhouse benches or plant them outdoors? B.

Plant your geraniums on benches in a well aired house; keep red spider down by syringing; pinch top growth out when too long to branch and you will have strong, bushy plants by fall. Do not propagate now, rather grow good heavy plants for this purpose and commence to propagate in early fall when every cutting will strike.

HENRY EICHHOLZ.

Greenhouse Building.

Grand Rapids, Mich.—Chas. Chadwick, four violet houses 15x100; five carnation houses 35x235. Eli Cross, range of houses. Grand Rapids Floral Co., two houses 30x120. Henry Smith, house 30x200. Edw. Taylor, house 30x150. Crabb & Hunter, two houses.

Hopkinsville, Ky.—T. L. Metcalfe, house 30x80.

Fremont, O.—A. S. Horn, house 20x80.

Chicago, Ill.—Geo. Wittbold Co., two houses 25x150.

Gloucester, Mass.—F. L. Barrington, carnation house 70 feet long.

North Abington, Mass.—S. Littlefield, house 100 feet long.

Highland, N. Y.—A. W. Williams, range of commercial houses.

Jewett City, Conn.—A. A. Young, Jr., one greenhouse.

Philadelphia, Pa.—J. W. McFadden, Jr., house 20x60.

Lee, Mass.—Mrs. Westinghouse, conservatory.

Cambridge, Mass.—J. F. Noera, forcing house.

Newport, R. I.—Mrs. W. R. Hunter, vegetable forcing house.

Lewiston, Me.—Ernest Saunders, rose house 20x160, palm house 20x80.

Bristol, Conn.—W. B. Michael, range of greenhouses.

Oklahoma City, Okla.—Oklahoma Floral Co, carnation house.

Brampton, Ont.—H. Dale, two houses 18x240; four houses 18x200. W. Fendley, violet house 16x100.

Indianapolis, Ind.—August Grande, house 10x50. John Grande, house 10x110. John Heidenreich, house 20x100. Huckriede & Son, house 10x75.

More About Sports.

ED. AM. FLORIST:—We notice what Rufus W. Smith writes regarding Chrysanthemum White Bonnaffon in your issue of May 5. By referring to our catalogue he will note that White Bonnaflou is not a sport but a seedling from Mrs. H. Robinson and Mrs. McK. Twombley. It is entirely distinct in foliage from Maud Dean, closely resembling Mrs. Robinson. As to the white sport from Maud Dean he mentions, will say that such a sport was certificated by the Chrysanthemum Society of America November 26, 1898, and bears the name of White Maud Dean. This new sport, we believe, is being offered this season by John Lewis Childs, Floral Park, N. Y.

NATHAN SMITH & SON.

Centaurea Margaritae for Winter.

ED. AM. FLORIST:—Can we induce Centaurea Margaritæ to bloom during winter months in a night temperature of from 45° to 50°? What is the best time to propagate this plant for winter bloom, also the best method of propagation, by seeds or cuttings? F. C. C.

Centaurea Margaritæ, sometimes called amberboa or C. moschata alba, belongs to the moschata and odorata section of centaureas, or sweet sultans. All these are readily increased by seed, which is freely produced. I have no experience with this particular variety as a winter bloomer, but as several trials with C. odorata, a few years ago, gave but little encouragement for final success, I presume the variety in question may present the same unwillingness to flower freely in any temperature during the short, dull midwinter days, though they could be expected to bloom somewhat more abundantly in March and April: at least C. odorata will do so in a carnation house. I should suggest that seed be sown in September; pot off singly when the second or third leaf appears; repot as they grow on; keep outdoors and in frame as late as the weather will permit and when taking them into the house, give them a very light and airy position. Plants in shallow benches gave better results with us than those kept in pots, yet their growth was rather irregular; some of the plants presented a stunted appearance throughout the winter, utterly refusing to flower or even start growth. This centaurea, together with the newer C. imperialis and C. Mariæ are well worth experimenting with in this direction for success may finally be achieved by perseverance.

J. B. K.

Pan-American Exposition Notes.

During the progress of the exposition the Horticultural Department will hold several special exhibitions of flowers. Premiums, medals and diplomas will be offered for the best exhibits in various classes at each exhibition. The announcement is made thus early so that intending exhibitors will have an opportunity to prepare suitable stock to produce exhibition quality. The dates are not definitely settled on and in the case of roses it will be difficult to fix a date to suit wide degrees of latitude, but there is probably not more than two weeks difference between New York city and St. Paul and the second week in June will find many fine flowers in both localities. The second week in May will be devoted to carnations; roses the second week of June; sweet peas during the first or second week of July; gladioli the first and second weeks of August; dahlias the first week of September; cannas the third week of September.

The writer would be glad to hear from any who can suggest better dates to suit the majority of our northern growers.

WILLIAM SCOTT.

A Question of Heating.

ED. AM. FLORIST:—I shall rebuild my greenhouses at a new location and wish to be advised whether to have the structures run north and south or in the opposite direction. I intend to put up a rose house, three-quarter span, 25x75 feet, and three carnation houses of the same dimensions. The houses will be within 150 feet of the city water works, where they always have from eighty to 100 pounds of steam pressure, and I can get steam from there it it is deemed practicable. In this case what size of pipe would you advise using to carry the steam underground? How many and what size pipes would I require in the houses and how should they be located? Could the houses be heated uniformly with hot water under pressure with coils of 1½ inch pipe? I am at present using a No. 3 Kroeschell boiler as good as new and rated at 3,000 square feet of radiation. W. J. M.

A three-quarter-span rose house should run east and west, but the carnation houses may run in either direction. At the present time most florists seem to prefer even-span houses running north and south, although three-quarter-span or side-hill houses running east and west are often used. For carrying the steam from the power house a 3-inch flow will be ample, and a 3 inch pipe will be large enough for the return water. In heating

the house it will be well to use 1¼-inch pipes for the coils, and of these fourteen will suffice in the rose house and ten in the carnation houses. Another way would be to use a 2½ inch overhead main in the rose house and twelve returns, and a 2-inch flow with eight or nine returns in each of the carnation houses. If used with overhead flows there will be no difficulty in heating with hot water under pressure in 1½-inch pipes. L. R. T.

OBITUARY.

CHAS. F. BAKER.

Charles F. Baker, a leading florist of Utica, N. Y., succumbed to heart disease while making up designs on the morning of May 11; he died as he had lived, with flowers in his hands. Mr. Baker was 60 years of age. He began his business career by opening a general store near his birthplace, Stittville, N. Y. After several successful ventures of this kind he served for many years in one of Utica's leading stores, until the confinement told upon his health and he resolved to go into the business of raising plants and flowers. This was in 1876. He had for some years maintained a small greenhouse at his residence in Utica, and this was the nucleus for what has since become one of the most prosperous floral establishments in the state. He put his indefatigable energy into the business and soon built a reputation which was never lost to him, and which will doubtless continue with the management of his son, Alderman F. J. Baker, who was recently admitted to partnership. Mr. Baker made a specialty of ferns; he also grew carnations extensively, and two one-time popular varieties, Oneida and Red Jacket, originated in his houses. He was a member of the Society of American Florists and of the American Carnation Society; during the brief career of the Utica Florists' Club he served as its treasurer, and on the evening following his death the craft assembled to express, in resolutions, its sorrow at the demise of one of the most honorable of men, and sympathy with the bereaved family, a widow, two sons and a daughter.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By A No. 1 rose and carnation grower or foreman; single; good designer. Best of references. State wages. Address TRUTH, care American Florist, Chicago.

SITUATION WANTED—By a first-class grower of roses carnations, 'mums, violets and general stock. Married; no children; reference; state wages and particulars in first letter. F. F. SENTZ, Neffsville, Lancaster Co., Pa.

SITUATION WANTED—By thoroughly reliable all-around grower; German; married. Life experience; competent to fill any position—private, commercial or institution. Understands vegetables under glass. A1 references. Address FLORIST, 3456 Park Ave., St. Louis, Mo.

WANTED—Two young men for general greenhouse work $10 per week. 160 E 43rd St., Chicago.

WANTED—A boy from 15 to 18 years of age, as apprentice in my greenhouses. JOS. LABO, Joliet, Ill.

WANTED—A young man for store and greenhouse. Send references to H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—A few good men as assistant rose growers and helpers Apply to BASSETT & WASHBURN, Hinsdale, Ill.

WANTED TO RENT—A place in good condition, of from 4000 to 6000 feet of glass. Address SCOTCH, care American Florist, Chicago.

WANTED—Boy to learn the greenhouse business of growing roses and carnations. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—Experienced, unmarried gardener for private place, Chicago. Must understand greenhouses and orchids. References required Address A B C, care American Florist.

WANTED—Single German florist: must understand growing general stock for commercial place. $25 00 per month and board. W. E BEAUDRY, 5411 Woodlawn Ave., Chicago.

WANTED—A German, young man, one who has worked and packed flowers in a greenhouse. Call upon KENNICOTT BROS CO., 42 and 44 East Randolph St., Chicago, Ill.

WANTED—Gardener that thoroughly understands the growing of plants for store trade. State wages, and address at once, with particulars. WILLIAMS BAY FLORAL CO., Williams Bay, Wis.

WANTED—Landscape draughtsman familiar with nursery stock and nursery work. Good position for an energetic young man. J. WILKINSON ELLIOTT, Carnegie Bldg., Pittsburg, Pa.

WANTED AT ONCE—A reliable florist; one capable of taking charge of 10,000 feet of glass; to grow general stock of cut flowers and plants for retail store trade. Must be honest, sober and good worker. Also young man that has had some little experience in greenhouse work. Must be willing to take care of horse. State wages wanted with board. Address FRED J. KING, Ottawa, Ill.

FOR SALE—Free fuel, 500 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE CHEAP—Six hothouses (85x11 each), 4-room dwelling, cellar, sheds. Hot water. No competition. A bargain. Address W L. WINN, White Hall, Ill.

FOR SALE—At a bargain. Greenhouse in western city of 12,000 inhabitants; about 5000 feet of glass. Best reason for selling. Address F, care American Florist, Chicago.

FOR SALE CHEAP—One 25 horse power horizontal boiler and front, as good as new. Just the boiler for heating. Address G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

FOR SALE—Greenhouse plant, 25 000 feet of glass; place as good as new, 2½ acres of land with good dwelling house, barn, etc; 14 miles from court house, Chicago. Address W L, care American Florist, Chicago.

FOR SALE—One greenhouse, 1000 feet glass, well stocked with pot plants; one store in center of city. Electric light, city water works, street cars; no competition. A man with small capital can make no better bargain. Will sell the same at a sacrifice price if taken at once. Good reason for selling. Address A B, care American Florist.

FOR SALE OR RENT—Greenhouses. 16,000 feet of glass with 125x200 feet of ground, in this rapid growing city of Denver. Will sell all or one-half interest to one who will take charge and add three more houses 75 feet deep Stock is good; best roses and carnations the market affords. SCOTT J. ANTHONY, Denver, Colo,

FOR SALE—Two greenhouses, one 120x20, the other 60x20, office front all double thick glass; hotbeds and sash. Large spring stock now on hand. 30 000 inhabitants within six miles; no competion, as nearest greenhouses are 24 miles. Two acres good land; houses in good condition; steam heat; all new last year, including new boiler. Will give possession right away. Other business out of town cause of selling. Address E B, care American Florist, Chicago.

FOR SALE.

A rare opportunity to one with capital; a greenhouse establishment, well stocked, of 9000 feet of glass, including large office; centrally located; built three years ago, with latest improvements; city of 50,000 inhabitants, located in Colorado—great health resort. No competition. Large factories with pay rolls of $400,000 to $500,000 per month. Good reason for selling. $6000 cash or in payments. Inquire if you mean business, J O Z, care Am. Florist, Chicago.

WANTED AT ONCE.

A middle aged, all-around florist; good grower and worker, who can take charge at times; married, German preferred. Steady position to right man; house furnished; wages $40 to $50 per month. Also second man of experience. Address CARL BEERS, Florist, Bangor, Me.

For Sale

Three Greenhouses, 20x80 each, two short span to south, one even span; steam heat, five years old, best cypress material, stocked with plants, etc. Possession given immediately, houses to be moved. Good town, 5000 people. Sell altogether only. Write for particulars.....

JOHN LIEBER, Maryville, Mo.

FOR SALE.

Three small greenhouses at Weston, Mo.; five acres in orchard, some small fruit, large barn, two cisterns, two good cellars, one acre of vineyard, five-room residence. Town of about 2000, the only greenhouses in the county, eight miles from Leavenworth, Kas.; thirty miles from Kansas City. Reason, poor health. Fine prospect for fruit. Price $1250.00. Address C. H. HOLLIED, Horton, Kas.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write ROLAND HUGHES, 846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

FOR SALE

The Morris Floral Co., Morris, Ill., 61 miles west of Chicago, doing a retail and wholesale business; incorporated 1897; 20 000 feet of glass, doing a business that increases every year; the increase over 1899, was $1,282.61 up to April 1, 1900. The reason for selling is that A. Mitting, Secretary and Manager, is retiring and there is no one else in the company who understands the florist business. The property includes six acres of land, two houses and barn; everything up-to-date; boiler capacity equal to 40,000 ft. of glass; all new 1897; cannot be built to-day for less than $20,000. Terms $3,000 cash, balance good paper. Sold by bids to highest bidder. All bids must be in before July 1. If you mean business come and see us. A. MITTING, Sec'y, Morris, Ill.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a fine dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

For Rent.

Seven Greenhouses, Three Acres of Ground, Barn and Dwelling; Five Year Lease, thirty minutes from New York Market; well stocked for Spring Trade. Stock can be bought reasonable. Apply

Chas. A. Iffinger,

Sub Station No. 24. Brooklyn, N. Y.

TELEGRAPH CODE
OF THE
AM. SEED TRADE ASSOCIATION
$2.00,
In either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

Washington.

MID SUMMER HEAT MAKES TROUBLE FOR GROWERS.—DEATH OF W. F. GUDE'S LITTLE SON.

This hot weather is very hard on indoor stock, especially roses and carnations. Some of the growers who have not yet shaded are getting their roses and other flowers scorched and are kept busy watering. This is an unusually hot spell for this time of the year; starting last Sunday the mercury has been soaring above 90°, with very little rain. Outdoor roses will make little show for Memorial day, May 30.

C. Schellhorn is making preparations for rebuilding one of his rose houses 25x150 heated by hot water.

Wm F. Gude has the sympathy of hosts of friends because of the death of his little son, May 7, of membranous croup; the child was three months of age. P. G.

Wholesale Flower Markets

CINCINNATI, May 17.

Roses, Beauty, select	20.00
" " medium	10.00
" Bride	3 00@ 5.00
" Bridesmaid	3 00@ 5 00
" Meteor	3.00@ 5.00
" Perle	3 00@ 4 00
Carnations	75@ 1 00
" fancy	2 00@ 3.00
Lily of the valley	3.00
Gladiolus	4.00@ 5.00
Callas	6.00@ 8 00
Stocks	2 00
Sweet peas	1 50@ 2.00
Hyacinths	8 00@ 10 00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.20
Asparagus	50.00

ST. LOUIS, May 17.

Roses, Beauty, short stems	1.00@ 5 00
" " medium	8 00@12 50
" " fancy	15.00@25 00
" Bride, Bridesmaid	2 00@ 5.00
" Meteor	2 00@ 5 00
" Perle, Wootton	2.00@ 3 00
Carnations, common	75
" fancy	1 00@ 1.50
Sweet peas	35@ .50
Callas	6 00@ 8 00
Harrisii	6.00@ 8 00
Smilax	12.50@15 00
Adiantum	.6)@ 1.00
Asparagus	15.00@50.00

MILWAUKEE, May 17.

Roses, Beauty, long, per doz.	2 00@3 00
" " medium " "	1 50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	2 00@ 6 00
" Meteor	2.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.00@ 1.50
" fancy	2 00@ 3.00
Lily of the valley	3.00@ 4 00
Callas	8 00@ 15 00
Harrisii	12.50@15 00
Mignonette	2.00@ 3.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, May 17.

Roses, Beauty, fancy	20.00@25.00
" " extra	15.00@18.00
" " No. 1	8 00@12 00
" " culls	3 00@ 5 00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6 00
" Perle	3.00@ 6.00
" Cusin	2.00@ 4 00
Carnations, ord'nary	50@ 75
" fancy	2 00@ 2.50
Lily of the valley	2 00@ 4 00
Harrisii	6 00@ 8.00
Sweet peas	.50@ .75
Pansies	.25@ .50
Daisies	.50@ 1.50
Mignonette	.75@ 1 50
Smilax	12 50@15 00
Adiantum	75@ 1 00
Asparagus	35 00@50.00

DENVER, May 16.

Roses, Beauty, select	25.00@35.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	3.00@ 5 00
Carnations, ordinary	1 50@ 2.00
" fancy	2.00@ 3 00
Lily of the valley	4.00
Callas	12 50
Harrisii	12 50
Daffodils	4.00
Sweet peas	.50@ 75
Asparagus	50 00
Smilax	7.00
Ferns	.30
Galax leaves	.20

Orchid Flowers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

Shipments made direct from greenhouses, insuring fresh and perfect blooms.

N. B. It is particularly requested that the stock here offered be not confused with similar stock offered by commission dealers at lower prices, which has been shipped from New York. Rosebank Orchids are never sold through commission dealers.

CATTLEYAS
(IN VARIETY)
$6.00 per Dozen.

500,000 FEET OF GLASS

PETER REINBERG.

LARGEST GROWER OF
CUT FLOWERS
IN AMERICA.
51 Wabash Ave., CHICAGO.

Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

AMERICAN BEAUTIES.	Per Doz.
Long	$2.50 to $3.00
Medium	1.50 to 2.00
Short	.75 to 1.00
	Per 100.
METEOR	$3 00 to $5.00
BRIDE	3.00 to 5.00
BRIDESMAID	3.00 to 5 00
PERLE	2.00 to 5.00
GOLDEN GATE	6.00 to 10.00
CARNATIONS, fancy	1 50 to 2.00
" common	.75 to 1.00

Everything in the
CUT FLOWER
line.

WIRE WORK,
the kind
that will give satisfaction.

and a
complete line of FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

A. ELBERFIELD,
Wholesale Florist.
Florists' Supplies.
Consignments Solicited.
1005 Seventeenth St., DENVER, COL.

SUCCESSFUL SELLERS
are the successful growers who advertise in
THE AMERICAN FLORIST.

J. B. DEAMUD,

51 WABASH AVE.. CHICAGO.

CATTLEYAS, $4.00 per Dozen.

	Per Dozen.
AM. BEAUTIES, Ex. long	$2.50 to $3.00
" 24-inch stems,	2.00
" 20 " "	1.50
" short "	1.00
	Per 100
CARNATIONS, fancy	$2.00 to $3.00
" standard vars. asst.	1.00
BRIDES	3.00 to 4.00
BRIDESMAIDS	3.00 to 4.00
METEORS	3.00 to 4.00
PERLES	2.00 to 3.00
VALLEY	3.00 to 4.00
TULIPS	2.00 to 3.00
LIL. HARRISII	6.00 to 8.00

	Per 100.
CALLA LILIES	$8.00 to $10.00
ADIANTUM	.75
ASPARAGUS	50 cts.
SMILAX	12.50 to 20.00
GALAX Green or Bronze, $1.25 per M.	.15
FANCY FERNS...$1.50 per M.	.20

WILD SMILAX. (Caldwell's.)

No. 1	contains 15 lbs.	$2.50
No. 2	" 20 lbs.	3.50
No. 4	" 35 lbs.	4.50
No. 5	" 40 lbs.	5.50
No. 6	" 50 lbs.	6.50

☞ Prices subject to change without notice.

CATALOGUE OF CARNATION CUTTINGS NOW READY.

McKellar & Winterson's

Modern Supply House.

PLENTY OF FLOWERS FOR DECORATION DAY.

We will have good supply of ROSES, CARNATIONS, BULBOUS STOCK, PAEONIAS, LILIES, FERNS, Etc.

Also complete stock of Moss Wreaths, Cycas Wreaths, Palm Leaves, other Decorative Stock.

PLACE YOUR ORDERS WITH US EARLY.

All stock at lowest prices. Write for price list.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

BRANT & NOE, Forest Glen, Chicago, Ill.

WHOLESALE GROWERS OF **ROSES**

Ship Fresh Roses Direct from Greenhouses to Retailers. Carefully Graded. Prices Right. Try Us.

Please mention the American Florist when writing

WEILAND & RISCH

We are large Growers and Shippers of CUT FLOWERS

ALL THE NEW VARIETIES.

YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

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GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, May 18.

Roses,	Beauty,	extra long stems	3.00
"	"	30 inch "	2 50
"	"	24 " "	2.00
"	"	20 " "	1 50
"	"	15 " "	1.25
"	"	12 " "	1.00
"	"	8 " "	.75
"	Bride, Bridesmaid		3.00@ 5 00
"	Perle		2.00@ 4.00
"	Meteor		4.00@ 5.00
"	La France		4 00@ 5.00
"	Golden Gate		6.00@10 00
Carnations			.75@ 1.00
"	fancy		1.50@ 3.00
Lily of the valley			3.00@ 5.00
Lilacs			25@ .50
Mignonette			2.00@ 6.00
Dutch hyacinths			4 00@10 00
Narcissus			2 00@ 3 00
Harrisii			8.00@10 00
Callas			8 00@10 00
Tulips			4.00@ 6.00
Sweet peas			1.00@ 2.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			12 50@15.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST.

64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

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Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:30 A. M. TO 10:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

NEW FERNS, $1.25 per 1000

Order at once and be sure of your wants
Also Wreaths and Festooning of all kinds for Decoration Day. Engage your ferns now and other goods for Decoration Day and be sure of them.
CROWL FERN CO., Millington, Mass.

Wholesale Florists, JOBBERS IN
Always on Hand:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
N. F. McCarthy & Co.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

H. G. BERNING
Wholesale Florist,
SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL
Wholesale Florist,
27 S. 11th St., Telephone 63-64. PHILADELPHIA.
Orders by mail, telegraph or telephone will receive prompt attention.
Consignments of good stock solicited.
Please mention the American Florist when writing.

It is good business policy to mention the
...AMERICAN FLORIST
when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, May 16.

Roses, Tea	.75@ 2.00
" " extra	4.00@ 6 00
" Beauty, extra	15 00@25.00
" " firsts	8.00@15.00
Carnations	.50@ 1 50
" fancy	1.00@ 2 00
Lily of the valley	2.00@ 4.00
Asparagus	50.00@75 00
Smilax	15 00@20.00
Adiantum	.75@ 1.00

BOSTON, May 16

Roses, Beauty, extra	15.00@25 00
" " medium	8 00@10.00
" " culls	2.00@ 5 00
" Brids, Bridesmaid, Meteor	1.00@ 4 00
" extra	6 00@ 8 00
" Brunner	8.00@12.00
Carnations, ordinary	1 00@ 1.50
" fancy	2 00@ 3.00
Lily of the valley	1 50@ 2.50
Daffodils	1.00@ 2 00
Tulips	.50@ 1.00
Longiflorums	3.00@ 6.00
Callas	4.00@ 6 00
Mignonette	1.00@ 2.00
Smilax	12.00@15.00
Asparagus	50.00
Hardy ferns	.25

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.

LEO. NIESSEN,
Wholesale Florist,
N. W. COR. 13TH AND FILBERT STREETS,
LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.
Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.
Consignments of Roses, Carnations, Violets solicited.

Milton W. Woodroffe & Co.
Successors to WM. C. SMITH,
Wholesale Florist,
1604 LUDLOW STREET,
'Phone 1-42-69-A. PHILADELPHIA.
Consignments Solicited.

ELLISON & TESSON,
Wholesale Shipping
FLORISTS
3134 Olive Street, St. LOUIS, MO.
HOME GROWN STOCK.

...GEO. M. KELLOGG...
Largest Grower of... in the West. Cut Flowers
Give us an order and we will please you.
Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,
Wholesale Florist,
5515 Fifth Ave, PITTSBURG, PA.
LONG DISTANCE 'PHONE 2985.
Consignments of Roses, Carnations and Violets, Solicited.

J. M. COHEN, WHOLESALE FLORIST.

FOR DECORATION DAY:

BRIDES and BRIDESMAIDS, fresh cut, $4 per 100. CARNATIONS, $3 per 100. HARDY FERNS, $2 per 1000.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

GHORMLEY & PERKINS,
Wholesale Commission **Florists,**
New and Commodious Establishment at *57 West 28th St., NEW YORK.*
Prepared to handle large or small consignments of cut flowers to growers' advantage
Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, May 16.

Roses, Beauty select	10.00@15.00
" " medium	6.00@ 8.00
" " culls	1.00@ 2.00
" Bridesmaid, Bride, Meteor	.50@ 2.00
" " " Select	4.00@ 6.00
" Jacq., Brunner	3.00@ 8.00
Carnations	.50@ .75
" fancy	1.50@ 2.00
Lily of the valley	.25@ 1.00
Yellow narcissus	.50@ 1.00
Mignonette	1.00@ 3.00
Sweet peas	50@ .75
Callas	3.00@ 4.00
Harrisii	3.00@ 4.00
Cattleyas	30.00@50.00
Smilax	12.00@15.00
Asparagus	25.00@35.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, May 17.

Roses, Beauty	15.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
" Perle, Niphetos	3.00@ 5.00
" Kaiserin	3.00@ 8.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.60
Mignonette	1.00@ 2.00
Sweet peas	.75@ 1.00
Daffodils	1.50@ 2.00
Dutch hyacinths	3.00@ 6.00
Harrisii	8.00
Callas	6.00@10.00
Tulips	3.00@ 4.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. **Wholesale Florist.**
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

M. A. HART,
COMMISSION FLORIST,
Can supply ROSES and CARNATIONS in best quality and any quantity; VIOLETS too.
44 WEST 29TH STREET,
Tel. 325 Madison Square. NEW YORK.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

Remember us to our advertisers.

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS

EDW. C. HORAN,
47 WEST 28TH ST.
Tel. 421 Madison Squa
.....NEW YORK.
CUT FLOWERS AT WHOLESALE.

ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.
ALEXANDER RODGERS, Pres.; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO: Arthur H. Luck, representing the Iowa Seed Company, of Des Moines, Iowa.

ST. LOUIS seedsmen report their order trade good for this month in comparison with same in previous years.

HENRY A. SALZER, of La Crosse, Wis., has been attending the Methodist Conference at Chicago for some time past.

RECENT California reports indicate increased spread of mildew on the oniou seed crop. Other seed crops are looking well.

HEAVY rains in California May 4–5 have proved of great value to crops generally, especially to the beans at Ventura and elsewhere.

THE late C. C. Morse, the seed grower of Santa Clara, Cal., whose death was reported in our issue of May 12, left a large estate. Mr. Morse was one of the organizers of the Citizens' Bank of Santa Clara and served on the Board of Education.

The Seedsmen's Programme.

The sessions of the American Seed Trade Association in Chicago, June 12 to 14 will be held at the Grand Pacific Hotel. Aside from the usual order of business there will be a question box to supplement the programme of discussions, the principal one of which will be: "Which will be the most popular method for the average private planter to obtain his supplies of seeds in the twentieth century, from 'commission boxes,' from 'small local merchants' or on 'direct orders by mail?'" This will be lead by S. E. Briggs, S. F. Leonard and W. Atlee Burpee and under this head several live issues will be taken up, such as the rate of commission on box seeds, prices, the cost of catalogues and the question of employing commercial travelers. W. H. Grenell will discuss contracts, Chas. N. Page, catalogues and advertising; C. L. Allen, cauliflower and its cultivation; Chas. H. Heath, the pleasant side of business association, and W. C. Langbridge, the successful retail seedsman.

LA CROSSE, WIS.—A heavy hail storm, May 14, destroyed much glass in this vicinity.

CHESTER, PA.—Colflesh, Titlow & Co. have closed and gone to Germantown and the stock has been seized by the attorney for their landlord.

WANTED.
Experienced seedsman to take full charge of vegetable and flower seed department of western seed house. Good salary and position for right man. Must be able to furnish first-class references. Address immediately, giving full particulars,
"Western," care Am. Florist, Chicago, Ill.

Headquarters for Dutch Bulbs.
HYACINTHS — TULIPS — CROCUS — DAFFODILS — CLADIOLUS — LILIES, ETC.
Write for prices to
GROENEWEGEN & CO., Wholesale Bulb Growers, AMSTERDAM, HOLLAND.

JOHNSON & STOKES'
PLANT, SEED AND BULB OFFER.
Begonia Rex, named varieties, 2½-in. pots, just ready for a shift, $5.00 per 100.
BULBS.
Begonias, single tuberous rooted, pink, crimson, red and yellow; in separate colors, 30c per dozen, $2.00 per 100, $17.50 per 1000
Canna Robusta Perfecta, fine large bulbs, 3.50 per 100.
Oxalis Summer Flowering, 7c per dozen postpaid, 20c per 100, $1.00 per 1000.
Tuberoses No. 2, Double Pearl, 30c per 100, $2 50 per 1000.
SEEDS.
Nasturtium, Tom Thumb, mixed, per ¼ pound, 15c; per pound, 40c, postpaid; per 100 pounds, $30.00.
" Tall Mixed, per ¼ pound, 15c; per pound, 35c, postpaid; per 100 pounds, $25.00.
Aster, Queen of the Market, the earliest of Asters, separate colors, per ¼ ounce, 15c, per ounce, 50c.
" Semple's true Branching, mixed, per ¼ ounce, 15c; per pound, $5.00.
Asparagus Plumosus Nanus, per packet (25 seeds) 30 cents; per 100 seeds, $1.00; per 1000 seeds, $9.00.
" Sprengerii, per packet (25 seeds) 20c; per 100 seeds, 60c; per 1000 seeds $4.50.
Write for our quotations on Roman Hyacinths, Paper White Narcissus, Etc
JOHNSON & STOKES, 217 and 219 Market Street, Philadelphia, Pa.

FRESH FERN SPORES.
WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.
EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ESTABLISHED 1802
THORBURN'S SEEDS
Floris's are invited to send for our quotations on
FORCING BULBS,
ROMAN HYACINTHS,
LILIUM HARRISII,
LILIUM LONGIFLORUM,
Etc., Etc.
We are large importers of HIGH CLASS BULBS.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

VICK'S SEEDS For Florists.
ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.
James Vick's Sons, Rochester, N.Y.

NOTICE.
We are now ready to give you LOWEST estimates for FIRST-class stock of
Freesias, Harrisii, Callas, Romans Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.
Send us list and we will give figures. Address
H. H. BERGER & CO., (Est. '78) **47 Barclay St., N.Y**

Order now your Bulbs while you can make money with
Paper White Narcissus Grandiflora,
EXTRA. $4.00 per 1000,
free Marseilles. Packing free. 1st Dec. settlement. Very low prices on application for **ROMAN HYACINTHS** and other French Bulbs for forcing.
A. BERNARD, Grower and Exporter,
Carqueiranne, Var, France.

LOW PRICES on BULBS & PLANTS
Amaryllis Equestre. $4 per 100; A. Formosissima, $3; A. Johnsoni, $15; A. Vittata, $20. **Anemones** for fall blooming, $1. **Begonias.** single, $2 50; double $4. **Callas.** Spotted, $2; Little Gem $2.50, Fragrance $10, Yellow $25, Black $10. **Caladium Esculentum** 5 to 7 $2, 7 to 9 $4, 9 to 12 $7. **Cannas,** mixed, $1.50; named, $2 up. **Crinums,** $7. **Dahlias,** mixed, or to color, $4; fine named sorts. Cactus or others, $5 per 100. **Gladioli.** 2d size, $4 per 1000. **Gloxinias,** $3. **Hyacinthus Candicans,** 50c to $1. **Iris Germanica,** $1.50. **Ipomœa Pandurala.** $3. I. Mexicana, monsters, $30. **Lilium Auratum.** $5. L. Album, $6; L. Superbum, small, $1.25. **Maderia Vine** 60c. **Montbretias** $1 **Oxalis** $1 per 1000. **Tigridias** $1.50. **Tuberoses,** 1st size 75c, 2d size 30c. Milla, Bessera, Cyclob, $1 per 100.
PLANTS. Asparagus Sprengeri, $3.50 to $20. Astilbe Chinense new, fine, $10. Begonia Duke Zeppelin, $10. Hibiscus new sorts, $10. Lace Fern, $5. Baby Primrose, $2.50. 2 new Salvias, $8. Tropæolum Phœbe, $6. The Edelweiss, soon to blooom, $6. Myosotis Sutton's Gems in bud, 3 colors, white, blue, pink, $4 per 100. The Hardy Chinese Begonia, sweet scented pink flowers, leaves olive and red; 8 by 10 inches!! grand, $6 per 100. New Begonia Gracilis, finest pink bedder, $6 per 100. Japan Morning Glory Seed, finest strain, $1 per lb., 10c per oz. Not less than 25 of any kind at 100 rates.
A. BLANC & CO., Philadelphia, Pa.
Please mention the American Florist when writing.

ROEMER'S
Superb Prize Pansies
The finest strain of Pansies in the World........
INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.
Highest Award Inter. Exhibition at Hamburg, 1897. Catalogue free on application.
Fred. Roemer,
Seed Grower, QUEDLINBURG, GERMANY.

Seeds.
Primula Sinensis, Rolker's large-flowering, ¼ oz. $3.50; packet 25c.; best English mixture, packet 50c. **Cineraria** hybr. grandifl., choicest English, packet 50c. **Cyclamen** splendens grandifl., 500 seeds $2 50; separate colors, 100 seeds 60c.; best English mixture, packet $1.00. **Asparagus Sprengerii,** 1000 seeds $6.50; 100 seeds 75c. **Pansy,** Rolker's Giants, ¼ oz. $1.25; packet 25c.; Trimardeau, ¼ oz. 75c.; packet 25c. **Other seeds** see general Trade list, mailed free.
August Rölker & Sons, 52 Dey St., New York.
Please mention the American Florist when writing.

American Florist Advertisements Work Every Day.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

	Per doz.
Beauties, long	$3.00 to $4.00
" medium	2.00 to 3.00
" short	.75 to 1.00
	Per 100
Perle	3.00 to 4 00
Bride, Bridesmaid	3.00 to 5.00
Meteor	3.00 to 5.00
Roses, our sel., ass't.,	3.00
Carnations, extra select fancy	2.00 to 3.00
Fancy stock	1.50
Medium grade	1.00 to 1.50
Callas and Harrisii	8.00 to 10.00
Pansies	.50
Daisies	.50 to 1.00
Mignonette	1.00 to 2.00
Lily of the Valley	2.00 to 3.00
Alyssum	.25
Narcissus Poeticus	1.50
Tulips	2.00 to 3.00
Sweet Peas	.60 to .75
Paonies	4.00 to 6 00

Common Ferns, 25c per 100, $2 per 1000.
Galax....20c per 100, $1.25 per 1000.

The unusually hot weather which came so suddenly is likely to bring spring flowers all out at once and make a scarcity for Decoration Day, but whatever the condition may be, everthing available anywhere may be had at Kennicotts'.

Call on us if you have anything to sell.

MONEY ON DEMAND.

We pay all shippers every Monday. Don't let anyone owe you. Ship to us and get the market price and the cash each week.

Kennicott Bros. Co.

42 and 44 East Randolph St., CHICAGO, ILL.

This year's customers must be ours next year. The VALUES we give are our best advertisements.

One Minute With You Please!

If you have not already contracted for your wants in the line of

FORCING BULBS

for next season do not fail to get our

Import Price List.

JUST ISSUED.

A postal card will start it, and you will find therein many things of interest.

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph Street. NEW YORK: 14 Barclay Street.

NEW ROSES ::::

GRUSS AN TEPLITZ, an exceedingly healthy, strong growing forcing rose, similar to Liberty, but a stronger grower.

MAD. RENE GERARD, the improved Mad. Capucine. Fine stock. Write for prices.

BOSTON FERN, strong 2½-in., $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

10,000 EXCELLENT stocky 4-in. Latanias

ready for shifting, $20 per 100; $190 per 1000.

WALTER RETZER & CO. Successors to ALBERT FUCHS.

2045-59 Clarendon Avenue, CHICAGO.

Florists and Seedsmen

It will pay you well to send me list of your wants and get my prices before placing your orders for

Dutch Bulbs

for delivery in the early autumn.

HYACINTHS, TULIPS, NARCISSUS,

FREESIAS, CROCUS, SPIRÆAS,

LILIUM LANCIFOLIUM, Etc., Etc.

All Bulbs carefully grown and guaranteed first-class and true. No auction stuff or trash. Correspondence solicited.

GEORGE E. DICKINSON,

No. 1 Broadway, NEW YORK, N. Y.

Also Nursery and Fruit Stocks of every description.

Strong Plants

Brides, Bridesmaids, in 2½-in. pots; American Beauties in 3½-in. pots. All good, strong, healthy Stock; will sell them very cheap for cash.

T. O'CONNOR,

Blackstone Blvd. PROVIDENCE, R. I.

HARDY ROSES

Strong two-year-old plants, in all the best varieties.

Hollyhocks, Phlox, Paeonies,

Pyrethrums, Pansies,

Specialties.

SEND FOR CATALOGUE.

M. H. WALSH

Gardener to the late Mr. Jos S Fay. Woods Holl, Mass.

Roses Extra Strong stock from 2½-inch pots.

Splendid assortment of hardy sorts.

Send for price list.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

P. S. PETERSON & SON shipped a car load of six-foot specimens of the Colorado blue spruce on May 12. They are for estates in northern New Jersey.

THE nurserymen of Oklahoma and Indian Territory have organized the Southwestern Nurserymen's Association. The president is J. A. Taylor, of Wynnewood, and the secretary is J. W. Preston, of Kingfisher.

Park and Outdoor Art Association.

The American Park and Outdoor Art Association is to assemble in annual convention at the Art Institute, Chicago, on June 5, 6 and 7, 1900. The Auditorium Annex has been selected as the official headquarters of the association, where rates will range from $1.50 to $4 per day. The programme will include papers and discussions at the morning sessions of Tuesday, Wednesday and Thursday, to which all interested are invited; stereopticon lectures Tuesday and Thursday evenings, to which the public will be specially invited; and visits to the park systems in the afternoons. On Friday there will be an excursion to the drainage canal, or other places can be visited. A banquet will also be tendered to the association during its sessions.

Mrs. Edwin D. Mead, of the Twentieth Century Club, of Boston, will prepare a paper upon municipal improvement which will be read by President Loring, and Albert Kelsey, President of the Architectural League of America, will give an address upon the same subject at a joint meeting of the two associations on Thursday evening, June 7, on which day the annual session of the Architectural League begins.

A paper prepared by Mrs. Cyrus H. McCormick, of Lake Forest, Ill., upon "Landscape Gardens" will be presented.

Dr. Albert Shaw, editor of *The American Review of Reviews*, will present a paper upon some phase of outdoor art relating to our national growth.

William R. Smith, director of the Botanic Gardens at Washington, D. C., and ex-president of the Society of American Florists, will write upon a subject relating to the arrangement and grouping of plants about architectural structures.

William M. R. French, director of the Chicago Art Institute, will present an illustrated paper upon "Composition," giving particular attention to the proper distribution of buildings, of artificial structures and of foliage about such structures.

J. H. Patterson and Edwin L. Shuey, of Dayton, Ohio, have consented to lead in the presentation of work that has been done in this and other countries toward making more attractive the surroundings of factory buildings and employees' homes. To this meeting the general public will be specially invited.

William Ordway Partridge, of New York city, will present a paper upon the proper setting of statuary in public places.

J. Frank Foster, superintendent of the South Park system in Chicago, will present a paper upon park roads, in which he will call particular attention to their maintenance and administration.

The Rev. J. A. Rondthaler, of Chicago, will present a paper upon the influence of public parks upon the morality of a community.

S. M. Millard, of Highland Park, Ill., will present a paper upon a subject connected with outdoor art.

Frederick Law Olmsted, Jr., of Brookline, Mass., will present a committee report on advertising bill boards; Prof. William J. Beal, of Michigan, upon prizes for designs; Dr. Wm. W. Folwell, of Minneapolis, upon park census; and C. C. Laney will report for the committee appointed in connection with the work of the Pan-American Exposition.

One of the most instructive and interesting features of the meeting is to be an exhibit of photographs showing the good and bad treatment of various subjects connected with outdoor art and the artist's conception of beauty in various objects in landscape.

Chestnut Hill Horticultural Society.

At the May meeting of the Chestnut Hill Horticultural Society the following premiums were awarded: For calceolarias, to Wm. Kleinheinz, gardener to P. A. B. Widener; for three ferns in not over 6-inch pots, to Geo. W. Brown, gardener to Robt. N. Carson; for three heads of cauliflower, to Wm. Robertson, gardener to J. W. Pepper; for three heads of lettuce, to John Little, gardener to John Lowber Welsh; for one bunch of asparagus of twenty-five stalks, to Harry Harris, gardener to Mr. Gratz.

First prize for rhubarb also went to Wm. Robertson, while the premium for the best specimen palm was taken by Geo. W. Brown. Wm. Boyce, gardener to Randal Morgan, was awarded first for the best collection of vegetables, and Frank Gould, gardener to John T. Morris was awarded the first premium for the best collection of cut blooms of herbaceous plants.

The following items were also of special interest: A collection of very fine double flowering wall flowers, grown by Frank Gould; a grand vase of assorted roses, exhibited by Wm. Kleinheinz; specimen plant of Weigelia hybrida Eva Rathke in full bloom, exhibited by Messrs. Landreth & Sons. Robert E. Carey, gardener to Thos. C. Price, was also given notice for a handsome vase of mixed carnations, and Michael Punch, gardener to R. Le Boutellier, was awarded special mention for a well flowered plant of Maxillaria tenuifolia. Another novelty, which was possibly shown for the first time in this country, was a small plant of edelweiss, Leontopodium alpinum, shown by Albert Knapper, of Frankford, Philadelphia.

Ten persons were admitted to membership, and fourteen proposed. The society is going forward at a good pace and every indication is that with the end of our first year we will have a fairly established society. J. H. H.

OAKS 10,000 **Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.**

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries. MORRISVILLE, PA.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

ROSE PLANTS Good, Healthy Stock.

BRIDESMAIDS, KAISERINS	3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES	2½-in., $3 per 100, $25 per 1000.

Cash With Order.

Martin A. Magnuson,
3309 N. Western Ave., CHICAGO, ILL.

Excelsior Pearl Tuberoses.
SPLENDID BULBS IN PRIME CONDITION.

	Per 1000
First size, 4 to 6 inches	$5.00
Monster Bulbs	8.00
Second size, 3 to 4 in. (all blooming bulbs)	3.00

DAHLIA ROOTS,
Twenty superb varieties, $4.00 per 100.

CANNA ROOTS,
Chas. Henderson, Chevalier Besson, Ami Pichou, Mixed Red, all $10 per 1000.

CASH WITH ORDER.

J. F. LOVETT, Little Silver, N. J.

Large Elms.
25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA

NEW SHELLBARK--HICKORY NUT, "Hornor's Special."
RARE EVERGREEN TREES
200 000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.

CHAS. B. HORNOR & SON, Mt. Holly, N. J.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

FOR DECORATION DAY.

Fancy Common Ferns

Good and hard.
Now here in cold storage.

PRICE Per 1000, $1.50; Per 100, 20c.

Smilax, Asparagus Sprengerii, American Beauties, Choice Roses, Fancy Carnations, Common Carnations, Sweet Peas, Cape Jasmine Buds.

Buy your flowers direct from the growers. We sell at market prices and guarantee our stock for freshness and quality.

76 Wabash Ave., CHICAGO. **Bassett & Washburn** Greenhouses, HINSDALE, ILL.

Ampelopsis Veitchii
DORMANT PLANTS.

Extra strong and heavy,
3 feet at $15 00 per 100.
2 feet at $10.00 per 100.

Vaughan's Seed Store
84 and 86 Randolph St , CHICAGO.

ROSES AND GERANIUMS

Pres. Carnot, 2½ and 3-in. pots, $4.00 and $6.00 per 100. American Beauties, 3-inch pots, $6.00 per 100, $55.00 per 1000. Wootton, 3-inch pots, $5.00 per 100. Geraniums in flower from 4-inch pots, mixed varieties and Queen of the West, $7.00 per 100.

Marguerite Carnations, (white); Corn Flower, (lilac and blue); Gaillardia, (single); and Oriental Poppies, the above at $4 00 per 100.

ROBERT F. TESSON, West Forest Park, St. Louis.

SMILAX.

From flats, by mail.....50c per 100; $4.00 per 1000
" " 2-inch.....$1.50 " $13 00 "
Hydrangeas, 5-inch pots.....$3.00 per doz.
" 4-inch pots..... 2.00 "
" Rooted cuttings, $1.25 per 100; $10 per 1000
Large flowering Canna roots.....$1.00 per 100
Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

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which
Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

GALAX FOR DECORATION DAY

Order Quick.

Case A, 5000 assorted leaves.....$6.00
Case B, 5000 assorted and 200 sprays. 8.00
Single thousand..... 2.00

HARLAN P. KELSEY,
Tremont Bldg. **BOSTON, MASS.**

EXPRESS SHIPMENTS ONLY.

WILL EXCHANGE

1500 Alternanthera P. Major and A. Nana, 2-inch, fine $12.00 per 1000.
500 Rose Geraniums, fine, 2½-in., $15 per 1000.
For Asparagus Plumosus and Sprengerii.

We also offer 1000 strings Smilax, very fine, $10.00 per 100.

FURROW BROS., Guthrie, Oklahoma.

New Deutzia Lemoinei,
2½-in. pots..... $3 00 per 100
Spiræa Anthony Waterer,
2½-in. pots..... 2.00 "
Dracæna Indivisa,
3½-in. pots..... 7.00 "
4½-in. pots..... 12.00 "

JACOB THOMANN,
314 N. Goodman St. **ROCHESTER, N. Y.**

Geraniums.

Strong, stocky plants. in full bloom.

	Per 12	Per 100
Alphonse Ricard, scarlet	$1.00	$8.00
Mme. Jaulin, peach pink	1 00	8.00
Mme. Buchner and Enlalia, white	1.00	8 00
Beante Poitevine, salmon	1 00	8 00
Marvel, crimson	1.00	8.00

PHILLIPS & DODGE, Billerica, Mass.

READY FOR THE FIELD.

LARGE Stock of **CARNATIONS** FROM SOIL.

Write for prices on what you want.

Geo. Hancock & Son, Grand Haven, Mich.

American Florist Advertisements Pay Advertisers.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.
Begonia Gloire de Lorraine
EDGAR,

Write for prices. **WAVERLEY, MASS.**

Please mention the American Florist when writing.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,
CHICAGO.

WE ARE BOOKING ORDERS NOW FOR THE NEW CROP.

FANCY AND DAGGER FERNS.

Will begin shipping first week in May.
Price, $1.00 per 1000.
Special discounts to the wholesale trade. Write or telegraph us.

Caldwell the Woodsman Co., Inc , Evergreen, Ala.

Please mention the American Florist when writing.

We like to have you tell our advertisers that you read our paper.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

Monday afternoon, May 14, previous to the Florists' Club meeting, the following scores were made at the alleys:

Player	1st	2d	3d	4th	5th
Traendly	111	170	161	145	108
Hafner	116	132	143	149	138
Burns	142	139	123	141	137
Thielmann	155	182	125	134	186
Roehrs	125	153	177	152	112
J. Manda	190	132	138	141	114
Butterfield				101	
Donlau				126	115

At Flatbush.

Bowling enthusiasm here is tempered just now with the fatigues of the big spring business with which the Flatbush lights have been favored, but from now on steady practice is the order. Scores last Thursday night were as follows:

Player	1st	2d	3d
Riley	142	126	145
H. Dailledouze	153	141	122
P. Dailledouze	113	127	134
Wocker	175	167	146
Schmutz	136	132	166
Prosser	101	163	126
Dennis	129	99	136
Papa Zeller	61	85	93
Woerner		100	71
Butterfield		112	104

At Philadelphia.

Bowling enthusiasm is losing no ground in this city, the boys seeming to enjoy the sport as much as ever. W. K. Harris is easily first and keeps his average well up to the one and sixty mark. George Moss is also in the game, his high mark the past week being 204. At the meeting of the bowling club last Thursday it was determined to have a new handicap tournament. Two-men teams will bowl, their averages for the past four months being used as a basis for handicapping. Teams will be selected by drawing and then the committee will decide when they will bowl. This, it is thought, will make a very interesting contest.

The gun club is attending a two-days' tournament at Chambersburg to defend the trophies half won and, if possible, win others. It is not known as yet how they have made out, but they will doubtless give a good account of themselves. K.

To the National Florists' Bowling League.

To an enthusiast of this, which may be called the national game of the American florists, it is a great pleasure to peruse the scores and read the various accounts of the contests as they appear weekly in the trade papers, and note the interest that is taken in the game in the different floral centers of the country.

An evening now and then passed in the company of congenial spirits engaged in friendly rivalry at a game of ten-pins is not, as some who take a narrow view of life seem to think, "time wasted." Such an occasion brings together socially and affords much needed recreation to men whose business demands almost their entire attention, but who manage to get an hour or two occasionally to indulge in this popular game and derive much benefit from the amusement and exercise it affords them.

The inter-city matches that take place from time to time are very interesting events and afford great pleasure to the contestants, as well as their friends, who come to cheer them on to victory or condole with them in defeat, as the case may be. Whatever the result of the game, however, it has no serious effect on the spirits of the players, who have had the pleasure and excitement of the game, besides a good time socially, and return home much benefited by their outing.

The last national tournament, during the convention of the S. A. F. at Detroit, and others that have gone before, still linger as pleasant memories, and from the reports of the games now coming in weekly it is seen that the interest is being kept up, with the hope, no doubt, of capturing some of the prizes at the coming contest during the meeting of the S. A. F. in New York next August. This tournament promises to eclipse all previous contests and will doubtless exceed them more particularly in the number of bowlers engaged and in prizes offered. The New York club has already secured several valuable trophies and the national association also has, in addition to its sweepstake prize of $100 or over, had given to it several handsome cups to be offered as its committee deems best.

In order that there shall be no confusion and that everything in the matter of prizes and schedules shall be ready when the time for the contest arrives, I have appointed a committee to take charge of these important matters and assist the officers of the national organization in carrying them out. The committee consists of John Westcott and George C. Watson, of Philadelphia, and Wm. J. Stewart, of Boston.

It would be well for all clubs intending to take part in this contest to individually get together at once and discuss the situation. The committee would be very glad to have suggestions from any of the organizations about prizes, rules for governing the contest, (although the regulations adopted at the Detroit meeting seem to meet every requirement) or anything that any one has to offer that they think will be of advantage.

The one rule adopted then that I might call attention to is that all contestants must be members of the S. A. F., in some way identified with the business, and also members of the florists' club of the city which they represent. While it is a hardship to those clubs which, after coming a long distance, find they are a player short of the required number, six, it is not fair to the other fully equipped teams to have perhaps a strong bowler substitued, and it leaves the short team open to the imputation that the omission was intentional, with the idea of thus gaining strength.

Any city which desires can enter a team with players having the proper qualifications, already mentioned, without belonging to the National Florists' Bowling League. Membership in this organization costs each club $10 per year, the membership fee being used as a sweepstake to purchase prizes to be bowled for by the members of the organization only. Several of the clubs have already forwarded their dues for this year to the treasurer, J. F. Wilcox, of Council Bluffs, Iowa, and I would request all others who desire to join the league to at once forward the amount to him, as with the membership known the committee can work more intelligently and, having the prizes in readiness before the contest, can arrange the schedule so that all shall have an even chance to win.

ROBERT KIFT, President N. F. B. C.

At Chicago.

On the alleys last Friday night Degnan and Hauswirth concluded their ten game match, the former winning out by 103 pins. As Hauswirth wanted revenge a second match of ten games was quickly arranged between the two and five of the games resulted in 797 for Degnan and 757 for Hauswirth.

In the regular club practice May 11 the following scores were made:

Player	1st	2d	3d	4th	5th
Balluff	180	155	164	215	222
Evans	119	128	105	...	...
Savage	179	170	132	...	...
Kreitling	125	111	110	..	...
Hartshorne	111	119	130	..	...
Hauswirth	188	190	..	..	..
Degnan	168	195	...	..	...
Pruner	133	141	..	..	..

Buffalo.

TRADE IS RATHER QUIET AND ROSES VERY CHEAP.—KASTING WINS A WIFE.—WEDDING NOT ANNOUNCED IN ADVANCE.—LEWIS IS BUILDING.

Trade is about the same as last week; flowers are plentiful and quality good. The only addition to the stocks in the stores is pansy plants, which breaks the monotony. A store opening last week called for many roses but the price paid for them was very low; 2 cents each is small but when you furnish them for half it is ridiculous; even florists on the market who pay as low as $50 a year for stalls refused to furnish them. Should any person want an article from one of these stores he pays a regular price, but let him start at either end of our flower stores and by the time he gets to the last one he has got his plants and flowers for almost nothing.

Inquiry for Commissioner W. F. Kasting Thursday morning elected the smiling reply that he was married Wednesday evening and had left for parts unknown. Few were in the secret. The young lady who has assumed part of the park commissioner's duties, I am pleased to say, is Miss Laura La Tour, daughter of Philip La Tour, who is in the florists' business on Genesee street near Humbolt Park. The nuptial compact was consummated at the Genesee Hotel and the bridal party was composed of Miss Margaret Frances Williams, cousin of the bride, as maid of honor, and Fred. P. Keen, best man. Mr. and Mrs. Kasting have the congratulations and best wishes of all and after a trip for a week or two will be at home on Elliott street.

Pan-American matters are booming. Director of Floriculture Scott has 4000 roses to plant for outside parties so far, and by the way Director Ulrich is progressing it will not be long before we have a fine green forest.

Fred. G. Lewis, of Lockport, is about to erect two houses 18x100 for carnations and, with what he has now will have a fine range of houses.

Recent visitors: S. B. Smiley, Lancaster; Fred. G. Lewis, Lockport; Martin Reukauf, Philadelphia. W. A.

WASHINGTON, D. C.—At the Botanic Garden they are rebuilding the roofs and repairing the heating apparatus of four plant houses.

NEW HAVEN, CONN.—The New Haven County Horticultural Society was organized at a meeting in this city on the evening of May 7. A constitution and by-laws were adopted. Eli Whitney was elected president and Robt. Veitch, Jr., secretary. The next meeting will be held at the offices of John N. Champion & Co. one month hence.

PRICE LIST.

ROSES.

Beauties, long	per doz.,	$3.00—
" medium	"	1.50—$2.00
" short	"	.75—
Brides and Maids	per 100,	4.00—
Meteor		
Perles	"	4.00—
Roses, seconds	"	.00—

CARNATIONS.

Standard sorts, select	per 100,	$1 50
Fancy, "	"	2 50

MISCELLANEOUS.

Paonies	per doz.,	$0 50—
Harrisii, $6.00 per 100,	"	1.00—
Callas	"	1.00—
Mignonette	"	.25—
Forget-Me-Nots, $1.00 per 100,	"	.15—
Valley	per 100,	3.00—
Sweet Peas	"	.40— .60
Marguerites	"	.50—

DECORATIVE.

Asparagus	per string,	$0.50—
Galax, green and bronze, per 1000, $1.50	per 100,	.20
Ferns $2.00 per 1000,	"	.25
Ferns, Maiden Hair, choice	"	.75— 1.00
Leucothoe Sprays	"	1.00
Smilax (scarce)	per dozen,	2.00—

Extra select and inferior qualities charged for according to value.

☞Choice stock will always be shipped, when procurable, unless otherwise ordered.

E. C. AMLING

WHOLESALE CUT FLOWERS

32-34-36 Randolph St., CHICAGO.

WALTER S. HEFFRON, MGR.

Quotations are subject to change without notice. Regardless of prices quoted all stock will be billed at lowest market rates.

ALL SEASONABLE FLOWERS. "P. & D." AT COST.

Use the Code.

Carnations our Specialty

We are Chicago Sales Agents for E. G. Hill & Co.'s Choice Flowers.

LAKEVIEW ROSE GARDENS,

Wholesale Growers,

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR

Cut Flowers.

CARNATION ....CUTTINGS.

	Per 100	Per 1000
McGOWAN	$ .75	$5.00
PINGREE	.75	5.00
SCOTT	1.00	7.50
FLORA HILL	1.25	10.00

ROSE PLANTS

from 2½-inch pots.	Per 100	Per 1000
METEOR	$3 00	$25.00
BRIDESMAID	3 00	25.00
BRIDE	3.00	25.00
LA FRANCE	3.50	30 00
AMERICAN BEAUTY Rose Bushes	2.50	20.00
LA FRANCE, lifted from benches	2.50	20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

We've thousands of readers and hundreds of advertisers. Each helps the other.

Double Your Bank Account.

That is easily done by a little enterprise during the next six weeks. You can make money at

DECORATION DAY

On our new Metal Wreaths which are made up in delicate combinations found in no other stock. And the prices are surprisingly low. Moss Wreaths, Cycas Wreaths, Immortelles, Capes and Artificial Flowers are all first-class. We give you extra inducements on

COMMENCEMENT BASKETS.

They are up-to-date salable goods in many styles, with high handles. They are cheap and many thousands of them will be used for school graduations next June. Send for special prices on them.

H. BAYERSDORFER & CO., 50-52-54-56 North Fourth Street,

PHILADELPHIA, PA.

Please mention the American Florist when writing.

Orange, N. J.

At the May meeting of the New Jersey Floricultural Society, Dr. J. B. Ward gave a very interesting talk on strawberry culture. In the course of his remarks he dwelt strongly on the importance of rich soil, thoroughly prepared, well fertilized and deeply pulverized. He said that he has twelve acres of strawberries altogether and gave a list of the different varieties with their peculiarities and comparative points of value as market fruit. He advocated spring planting as preferable to fall planting and recommended the constant use of the cultivator, not only to destroy weeds but to keep the soil loose and friable. About September 1 he gives a light dressing of nitrate of soda and potash and, later on when there is no danger of smothering the plants, a heavy coating of compost, with a layer of salt hay on the young beds. He advised especial caution about frosts at time of uncovering in spring. After fruiting the ground should be plowed over and a crop of crimson clover or cow peas planted, to be turned over later. A very animated discussion of the subject followed.

VINCA MAJOR VARIEGATA

From 2¼-in. Pots, strong, ready to shift,
$3 00 per 100.

GREVILLEA ROBUSTA

Very fine stock, from 2½-in. pots.
A bargain.
$3 00 per 100.

Nathan Smith & Son, Adrian, Mich.

IVORY 'MUMS

Fine, clean Stock.
2½-in. pots, $2.00 per 100; $17.50 per 1000.

BROWALLIA GIGANTEA

2½-in. pots, $3.00 per 100; $25.00 per 1000. 250 plants at 1000 rate.

Set of best 1899 **GERANIUM** novelties, $2.00 per set, worth $4 00.

HENRY EICHHOLZ, Florist,
CASH PLEASE. Waynesboro, Pa.

WANTED!

250 GERANIUMS Beaute Poitevine, 2 1-2 inch.

VAUGHAN'S SEED STORE,
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JOSEPH HEACOCK,
WYNCOTE, PA.
GROWER ...OF... ARECA LUTESCENS,
KENTIA BELMOREANA,
PHOENIX RUPICOLA.

MY SPECIALTY.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship, a splendid stock of plants in four separate colors, from 2-inch pots, $4.00 per 100; $35.00 per 1000. From 2½-inch pots, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

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WE HAVE OUR USUAL FINE STOCK OF

American Beauty Plants.

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30,000 plants from soil for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50 100 for $10.00; 250 for $18.75; 000 for $75.00.

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Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

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Adonis, carmine with pure white throat, and Snowball, a pure white; they are always in bloom and a good plant for retail. 25 of each for $1.00 or $2.00 per 100, from 2-inch pots.

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CARNATIONS.

Strong, Well-Rooted Cuttings.
Select Stock.

	Per 100	Per 1000
G. H. Crane	$6.00	$50.00
Morning Glory	6.00	50.00
Gen Maceo	6.00	50.00
Glacier	6 00	50 00
America	5.00	40.00
Gomez	5.00	40.00
Mrs. Geo. M. Bradt	5 00	40.00
White Cloud	4.00	30.00
Mary Wood	3.00	25.00
Mrs. F. Joost	3.00	25.00

And other standard sorts.

F. DORNER & SONS CO., LAFAYETTE, IND.

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Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

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KAISERIN AND CARNOT

GILT-EDGE STOCK.

☞ Plant NOW for summer bloom.

ROBERT SIMPSON, Clifton, N. J.

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SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N.Y.

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FROM 2½-IN. POTS.

GOLDEN GATE, $3.50 per 100.
KAISERIN, $3.00 per 100.
PERLE, $3.00 per 100.

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We offer the following surplus stock of Roses from 4-in. pots, all healthy and wintered in cold houses, at $12 per hundred: Maman Cochet, Kaiserin Augusta, Perle des Jardins, The Bride, Marie Guillot, President Carnot, Clothilde Soupert, Marechal Niel, Golden Gate, Marie Van Houtte, and other good kinds.

Hoopes, Bro. & Thomas, Maple Ave. Nurseries, West Chester, Pa.

ROSES. A No. 1 Stock.

	Per 100	Per 1000
BRIDES, 2½-inch	$3.00	$25.00
BRIDESMAIDS, 2½-inch	3.00	25.00
PERLES, 2½-inch	3.00	

CASH WITH ORDER.

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KAISERIN and CARNOT Rose Plants

$2.50 PER HUNDRED.

Out of 2½-in. Pots. Fine Stock.

COLE BROS., Peoria, Ill.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3 00 a 100, $25.00 a 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, O.

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Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

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Boston Fern A SPECIALTY

Ready now, cut from bench for 6 and 7-in. pots, $4.50 and $6.00 per dozen, very fine. Small plants, $5 per 100; $40 per 1000. Orders booked for June delivery. 100,000 BEDDING PLANTS, very fine.

Geraniums, all kinds; Coleus, Alternanthera, etc., etc. Send for list. Rooted cuttings Coleus.

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Young Palms for Growing On

We have to offer a large stock of the following varieties in excellent condition which if potted up now will double their value during the summer months.

ARECA LUTESCENS.

2-inch pots.....$1.00 per dozen, $6.00 per 100, $50.00 per 1000

KENTIA BELMOREANA.

2¼-inch pots.....$2.00 per dozen, $15.00 per 100, $100.00 per 1000
3 " " ..... 3.00 " 25.00 " 200 00 "
4 " " ..... 4 50 " 35 00 " 350.00 "

KENTIA FORSTERIANA.

2¼-inch pots.....$1 50 per dozen, $12.00 per 100, $100.00 per 1000
3 " " ..... 2.50 " 20.00 " 175 00 "

LATANIA BORBONICA.

2¼-inch pots.....60 cents per dozen, $5.00 per 100, $40.00 per 1000

CYCAS REVOLUTA.

New importation, dormant stems, true long-leaved variety, a fine fresh lot just received. Stems weighing from 4 to 50 pounds each. 25 to 100 lbs. at 10 cents per lb; 250 lbs. at 8 cents per lb.; 500 lbs. at 7 cents per lb.

HENRY A. DREER,

714 Chestnut St. PHILADELPHIA.

GRAFTED ROSES,

American Beauty, Kaiserin, Golden Gate, $10 per 100.

OWN ROOTS, FROM GRAFTED STOCK.

Golden Gate, Kaiserin, Meteor, strong stock ready for 3½-in. pots, $4 per 100, $35 per 1000.

S. J. REUTER, Westerly, R. I.

FANCY LEAVED CALADIUMS.

Dry Bulbs almost all sold.

Growing plants, with from 1 to 6 leaves, at $6 and upward; 60 vars.; splendid colors.

Address F. J. ULBRIGHT,

L. B. 655. ANNISTON, ALA.

Large-flowered Clematis, from 5-inch pots; best purple white and lavender sorts, at 18c; packing free. These are fine, healthy plants of this beautiful flower, that I can guarantee to grow—in fact, I will replace free of charge, any that fail to do so.

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Cullingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. O. P. Baseett
Ivory	Niveus
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J. C. Whildin
Miss Minnie Wanamaker	

And others from 2½-in. pots, $2 per 100, $15 per 1000.

HARDY POMPON CHRYSANTHEMUMS

In 10 named varieties, 2½-in. pots, $2 00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100, $7 50 per 1000. "Cash with order."

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New Orleans.

SOME GOOD WORK DONE FOR THE FLOWER SHOW.— APRIL EXHIBITION BROUGHT SHARP COMPETITION.—NOTES OF THE WINNERS AND EXHIBITS.

There was considerable interest in the competitions on floral designs which were a feature of the flower show held in late April in connection with the State Fair, and some good work was shown.

On bridal bouquet first prize went to Schindler & Van Geffen, second to J. H. Menard. The winning bouquet was made of Bride roses, adiantums, asparagus and daphnes.

First prize for hand bouquet went to Charles Ebele, second to Schindler & Van Geffen. Mr. Ebele's bouquet was of Marechal Niel roses, white sweet peas and maidenhair ferns.

Schindler & Van Geffen were first for handle basket, with Charles Ebele second. The winners' arrangement was of roses and adiantums with a stalk of Easter lilies at one side and more roses on the handle.

For the best floral design there were three entries, Schindler & Van Geffen, Chas. Ebele and J. H. Menard, the awards being in the order named. The first was a plaque upon an easel, made of galax, Easter lilies, lily of the valley, Marechal Niel roses and adiantums.

The competition on baskets of roses was between the same three florists, Schindler & Van Geffen winning with Marie Henriette, Bride and Beauty. Menard was second with a basket of Marie Henriette and Paul Neyron.

Schindler & Van Geffen are to be judged particularly successful in this exhibition from the fact that it is the first time they have ever exhibited for competition.

Bred in Old Kentucky

		Per 100
5000	Red Bruant GERANIUMS, 2 & 2½-in.	$2.00
5000	" " " 3½-in.	4.00
1000	AGERATUM Cope's Pet, 2-in.	2.00
1000	White or Purple HELIOTROPE, 3½-in.	4.00
1000	White & Yellow DAISIES, 3-in.	2.00
1000	COLEUS, all colors, 2-in.	1.50
1000	CANNAS, mixed, 4-in.	4.00
	FUCHSIAS, 3 in.	4.00
	CUPHEA—Cigar Plants, 2-in.	2.00
	MOON VINES, 3½-in.	4.00
	" " 2-in.	2.00
	Large COBÆA SCANDENS, 3-in.	5.00
	PARLOR IVY, 2½-in.	3.00

Cash with order.

C. L. BRUNSON & CO., Paducah, Ky.

CANNAS

STARTED PLANTS, 3-Inch.	Per 100
AUSTRIA	$6.00
BURBANK	6.00
CHAS HENDERSON	6.00
FLORENCE VAUGHAN	6.00
MLLE. BERAT	8.00
PARTHENOPE	8.00
SEC'Y CHABANNE	8.00

Several other kinds in moderate supply.

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph Street. New York: 14 Barclay Street.

Greenhouses Western Springs, Ill.

VIOLETS We still have Lady Campbell and Swanley White rooted cuttings. Price reduced to $6.00 per 1000. 1000 rooted cuttings of White Cloud $25.00.

Geraniums S. A. Nutt, from 4-in. pots at $7.00 per 100; without pots $6.00 per 1000. Bruanti the same

CRABB & HUNTER, Grand Rapids, Mich.

PERLE ROSES 2½-in. Stock.

$3.50 per 100. $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave. .....CHICAGO.

ROSE PLANTS

From 2½ in. Pots.

	Per 100	Per 1000
THE BRIDE	$3.00	$25.00
BRIDESMAID	3.00	25.00
METEOR	3.00	25.00

THESE are clean, strong plants, fully up to the character of the stock we have sent out in previous years. All stock is guaranteed, all orders are carefully filled and well packed.

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Chrysanthemums.

A large list of the best new and leading standard varieties; strong, healthy, vigorous plants from 2 and 2½-in. pots. There are none better; most of our customers tell us there are none so good. Send for complete list.

THE FOLLOWING CARNATION PLANTS STILL LEFT:

GENEVIEVE LORD, from sand, grand stock, $10.00 per 100, $75.00 per 1000. AMERICA, GOMEZ and MACEO, $5.00 per 100. JOOST, PINGREE, $2.50 per 100. GOLD NUGGET, $3.00 per 100.

H. WEBER & SONS,

Oakland, Md.

Leading Chrysanthemums.

White: Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jerome Jones, Independence, Weeks Yellow: Golden Trophy, Henderson, Johnson, O. P Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch. Pink: Ivory, Glory d. Pacific, Montmort, Morel, Perrin, Murdock. Bronze: Chas Davis Red: Geo W Childs; out of 2½-in. pots, $2.50 per 100, $20.00 per 1000 Also, White: Lady Fitzwygram, Chadwick, Mayflower, Western King Yellow: Pennsylvania, Golden Wedding, Yellow Jones and H W Rehman. Pink: Autumn Glory, Pink Jones. Red: Defender, Schrimpton. Bronze: Lady Hanham; out of 2½-in pots $3.00 per 100. $25.00 per 1000. 500 or more of not more than 12 varieties at 1000 rate.

ROSES. Bridesmaids, Brides and Perles, 2½-in., $1.50 per 100 $30.00 per 1000. Good Stock, Bridesmaids, Brides and Perles, 3-in , $5.00 per 100. $45.00 per 1000

Terms cash or will be sent C. O. D Satisfaction guaranteed or money refunded. Secure your stock by ordering early. We are the largest growers of Chrysanthemums in Illinois.

POEHLMANN BROS , Morton Grove, Cook Co., Ill.

5000 Lady Campbell Violets.

Strong, Healthy Stock Plants,

$4.00 per 100. $35.00 per 1000.

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Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also High Grade Mixed Dahlias and Dahlias under Separate Colors.

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WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

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PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at $2.00 PER 100 and up.

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GERANIUMS.

The choicest standard varieties, true to name, such as everybody wants. Fine 2½-inch, $3.00 per 100 $30.00 per 1000. Rose Geraniums same price Mme. Salleroi, strong 2-inch, 2c.

25,000 2½-inch ROSES—Brides, Meteors, Maids Perles and Wootttaus, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first-class.

PETUNIAS—Double Fringed, the choicest varieties to be had, including Snowball, strong 2-in. 2c., ready May 10th.

VERBENAS, 20th Century Collection—2-inch, ready May 10th, 2c.

AGERATUM, Princess Pauline—Strong, 2½-in., 2½c.; 2-in. 2c.

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MARGUERITES—New Giant White, a grand sort, and New Golden, strong 2-in., $2.00 per 100.

COLEUS—Strong 2-inch, choicest varieties, $2.00 per 100.

SMILAX—Strong 2-inch, $1.00 per 100. Strong seedlings, 50c. per 100.

GIANT COMET ASTERS (true)—Strong 2-inch, 2c. Lavender, pink and white and pure white.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

GERANIUMS. 4-inch.

2000 strong 4-inch Geraniums, in best varieties; nearly all in bloom,

$7.00 per hundred.

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Please mention the American Florist when writing.

Aster Plants.

OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

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OF THE STANDARD KINDS IN 2½ OR 3-INCH POTS.

Address, giving names, quantities and prices,

"PARK SUPT.,"

Care AMERICAN FLORIST CO., CHICAGO.

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IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50
2¼ " " Mme. Salleroi Geraniums	2.00

Rooted cuttings of Coleus, Crimson Verschaffeltii, Golden Queen and Mixed, 75c per 100.

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y

FORBES' Grand New BEGONIA CALEDONIA

(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

JOHN FORBES, Nurseryman, HAWICK, Scotland.

PETUNIAS, DOUBLE FRINGED

From 2 inch pots	Per 100, $2.00
GERANIUMS, mixed, 2-inch	" 2.50
COBÆA SCANDENS, 2-inch	" 2.00

E. I. RAWLINGS, QUAKERTOWN, PA.

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PYRAMIDS AND STANDARDS

A Grand Array of CHOICE SPECIMENS.

Write for prices.

BOBBINK & ATKINS,

RUTHERFORD, N. J.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY, double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta H, Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co. PA.

THE NEW FERN

Nephrolepis exaltata gigantea

Has broad leaflets and the longest fronds of all the Nephrolepises For beauty and grand specimens by far surpasses the famed Boston Fern Fronds of an average plant 9 to 12 feet long and up. Price of nice young plants 25c each, 3 for 50c, post paid; $5 per 100 by express.

Acalypha Marginata, good rooted cuttings, mailed for $1 50 per 100. **Russelia Juncea,** good young plants, mailed for $1 50 per 100. Send for price list of Plants, Bulbs, Seeds and Decorative Stock.

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SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Dracæna indivisa	$10.00, $15.00 and $20.00	per 100
Smilax, transplanted, strong	.50	"
Coleus, rooted cuttings	.75	"
Geraniums, S. A. Nutt, etc.	2.50	"
Asters, trans. Queen of Market	.50	"
Heliotrope, 3-in. Jersey Beauty	4.00	"
Asparagus plumosus seedlings	3.00	"
" **Sprengerii** 3-in	6.00	"
Ageratum, Cope's pet, 2½-in	2.50	"
" Princess Pauline, 2½-in	3.00	"

CASH PLEASE. **Carl Hagenburger,** W. Mentor Ohio.

Violet Plants Rooted Runners.

MARIE LOUISE,
FARQUHAR,
LADY CAMPBELL,
SWANLEY WHITE,

Healthy and Clean.

$7.00 per 1000

J. B. DEAMUD, 51 Wabash Ave. Chicago.

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Cannas and Violets.

Paul Bruant, Chas. Henderson, A. Ferrier, Queen Charlotte and Florence Vaughan, started plants at $6.00 per 100.

California and Farquhar Violet clumps at $5.00 per 100, $40.00 per 1000. Marguerite Carnations, (white); Corn Flower, (lilac and purple); Gaillardia, (single); and Oriental Poppies, the above at $4 00 per 100.

ROBERT F. TESSON, West Forest Park, St. L uis.

Violets.

	Per 100
FARQUHAR, clean, choice runners	$1.00
LA FRANCE, divided plants and rooted runners	2.50
BLUE DAISIES, Agathæa coelestis, 2½-inch and from boxes, strong plants	2 50

CASH WITH ORDER.

LEO WELLENREITER, Danvers, Ill.

Please mention the American Florist when writing

POTTED VIOLET PLANTS.

Clear of all diseases, of the different varieties.

	Per 1000
FARQUHAR	$30.00
CAMPBELL	25.00
PRINCESS OF WALES	20.00
CALIFORNIA	20.00

In any quantity.

CREEN SPRINGS FLORAL CO.,
Louisa County, Waldrop P. O., Va.

Please mention the American Florist when writing.

VIOLETS. A few thousand rooted cuttings of Marie Louise, Farquhar, Lady Campbell, Swanley White. This stock all free from disease, $6.00 per 1000. Cash with order. **ELI CROSS, Grand Rapids, Mich.**

Baltimore.

SUMMER WEATHER STARTS THE BEDDING PLANT TRADE.—CLUB MEETING FULL OF INTEREST.—A PICNIC PLANNED.—CARNATION MEETING IN SIGHT.—GOOD GENEVIEVE LORD.

The weather has certainly reached a summer standpoint, with temperature of 91° in the shade. Planting out has fairly begun, and almost every market basket you see is topped by a geranium or some other blooming plant. The public planting would have doubtless begun, too, but for the difficulties that our park board seem to have gotten into with the mayor and city council. Let us hope all will pleasantly straighten out again soon.

The last club meeting was well attended and, owing, no doubt, to the torrid weather, the idea of an excursion was taken up, and President Halliday appointed a committee, consisting of C. M. Wagner, G. O. Brown and Wm. Paul Binder to arrange the details. The coming convention of the carnation society, though it seems far away, is the most intensely interesting matter that comes before the club, and was discussed at some length. Committees on ways and means, hall and entertainment and banquet were appointed, so the membership feels as if something had been done to start the work.

Halliday Bros. had an enormous vase of Genevieve Lord carnation in one of their windows last week, sent by the growers, Weber & Sons. Its stiff stems and delicate pink color could not be better. MACK.

CHICAGO CARNATION CO.
Carnation Specialists,
JOLIET, - - ILL.

SWEET BAY TREES
FINE CROWN TREES! We can ship them, packing free of charge, per pair, $12, $15, $25, $35, $40, $50, for extra fine specimens.
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ANTON SCHULTHEIS,
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Orchids!
Arrived in perfect condition, CATTLEYA PERCIVALLIANA and C. MOSSIAE. Write for prices.....
LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.
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10,000 MAIDEN HAIR FERNS
Fine, strong plants, from 2½-inch pots, $3.00 per 100; $25 00 per 1000.
P. J. BURGEVIN, Port Chester, N. Y.
REGENT PARK GREENHOUSES.

Centaurea Gymnocarpa, 3-in., $2.00 per 100. **Salvia**, Clara Bedman, 2-in., $1.00 per 100. **Salvia** Splendens, drooping spikes, 75c per 100. **Ageratum**, blue and white, 2-in., $1.00 per 100. **Heliotrope**, Lemoine's Giant, 2-in., $1.00 per 100. **Lantana**, weeping, $2 00 per 100. **Pansy Plants** in bud (mixed) $1.00 per 100. **Vegetable Plants** transplanted: **Cabbage** Wakefield, 40c per 100. **Tomato**, Henderson's Crimson Cushion, Ponderosa, Maule's Enormous, Matchless, Acme and other varieties, 65c per 100.
WM. CLARK,
Successor to Clark & Palmer. Batavia, Ill.

WHAT DO YOU WANT?
1 have 10 000 **Scott, McGowan and Portia Carnations**, from flats, $10 00 per 1000.
L. H. Campbell and California Violets, 10.000 strong. Fall runners, ready to plant, $8 00 per 1000: **Princess of Wales**, $15.00 per 1000. All above by 100 same price.
5000 Ampelopsis Veitchii, long, live tops, pot-grown, dormant, at $3 00 per 100 or $25 00 per 1000.
5000 Vinca Major Var. 2½-in., strong, $3.00 a 100. **Carex Japonica, Golden Glow, Blu Moon Vines, Hatieana and Golden Honeysuckle, Blue and Crimson Spiræa**, all from 2½ in. pots, good, 3 cts. each, as many as you want.
Also **Lady Washington Geranium, Genista**, assorted **Flowering Begonias, Manettia Bicolor**, 4 cts. each; **Sprengerii**, 3½ in., fine, 8 cts
Cash with order, please.
BENJ. CONNELL, Florist, WEST GROVE, PA.

XXX SEED.
CINERARIA SEED of finest large flowering dwarf varieties in best mixture, 1000 seeds, 50 cts.
The Home of Primroses.
JOHN F. RUPP, Shiremanstown, Pa.

Geo. A. Kuhl
PEKIN, ILL.
23 Greenhouses. . .
60,000 Feet of Glass.
We offer to the trade over 35,000 young Roses, following varieties: Am. Beauties, Perles, Woottons, Meteors, Brides, Maids, Belle Siebrecht, Golden Gate. We believe in shifting young Roses often. All stock offered in 2-½-in. pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established. Send 50c or $1 for samples and prices.
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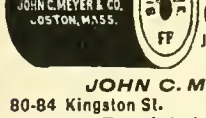

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BEAVER FALLS, PA.—On the morning ot May 7 fire destroyed the office and a portion ot the greenhouse of Louis Sutter, including much of the stock of bedding plants and "boarders." The loss is heavy and there was but $350 insurance.

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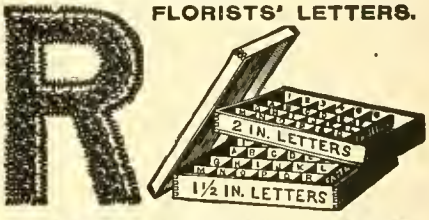

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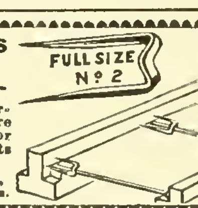

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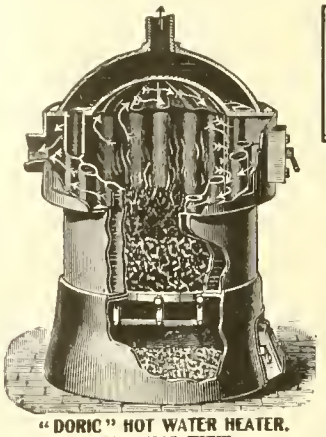

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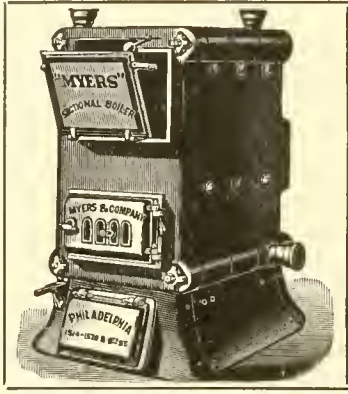

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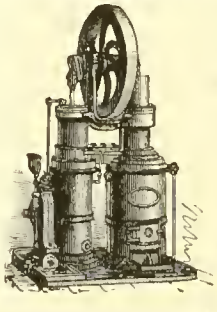

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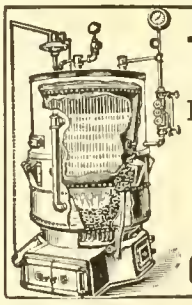

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

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AMERICAN ROSE SOCIETY.

Next exhibition at Eden Musee, 23d street, New York, June 12-14, 1900. Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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The Treatment for Lady Campbell Violet.

[A paper read by Richard W. Norton, of Heightstown, N. J., before the New Jersey State Horticultural Society.]

To have good flowers we find it very essential to have good plants to start with. We have been successful by dividing the crowns, using only good young plants from the sides of the old crown; but we have abandoned this, as it propagates all kinds of diseases as well as plants, and it persisted in disaster will follow sooner or later.

About the middle of February to the middle of March we select young plants, those having white roots, from good healthy crowns, and to be found in abundance on good clumps, especially on Campbell. These we put in boxes filled with soil; no manure is used. Our object is to get plenty of good working roots. This will pay for the extra labor, if but to combat the red spider alone. Here we have a large lot of plants in a small space, easily syringed and cared for.

We use boxes in preference to setting the plants in beds, as the soil dries out sooner in boxes, allowing more frequent syringing. This is impossible with plants left on the crowns until after the blooming season, as so much water would spoil the flowers for Easter. These plants are shaded from strong sunlight, and handled as cuttings until they have become thoroughly established in the boxes. Give them plenty of fresh air, but avoid a strong draught. In ventilating our houses during the winter months we always open the ventilators on the opposite side from which the wind is blowing. While the violet luxuriates in a cool temperature with plenty of fresh air, yet it is a living, growing thing, so we try to avoid extremes.

In the morning, after the plants have been in a closed house all night, should we open wide our ventilators, suddenly allowing a blast of cold air to rush in, on examining the plants shortly after we would find them more or less wilted, so slightly perhaps as to escape the notice of a novice, but a good grower can tell in the darkest night by passing his hand gently over the plants if all is well. Never neglect these young plants, for on them largely depends the future, failure or success.

About the middle of May we begin throwing out the plants and soil put in the previous year. After all decayed lumber has been replaced with new, and everything is ready for the new soil, we close all ventilators, making the house as tight as possible, and allowing the temperature to run as high as the bright sun of the season will make it. After a day or two of this, when the house cools down at night, we have a fine incubator for insects and fungus. We leave the house in this condition for two or three bright days, then in the evening we take in a liberal amount of sulphur and set it on fire, making a thorough fumigation. In the morning we open the ventilators, giving the house plenty of air; then we have a house as fresh and clean as when new.

To make our beds again, first we bring in sod, the best we are able to procure, cut about an inch thick, placing it grass side down. On this we put about two inches of quite coarse corn stalk manure, from heaps brought from the cow yard in early spring, and since turned over about twice, after which we put on four inches of any good soil.

No fertilizer or manure of any kind is mixed with this, contrary to some of the best authorities. Our object is to get a natural growth and to have the manure and sod in the best condition when most needed; namely, when the plants are blooming. Before setting the plants we see that the house is well shaded. For this we use whitewash, made by putting about a quart of good quicklime in a pail, adding enough water to start it slaking. When the lime is well slaked, but still boiling hot, we throw in a large handful of fine salt, which will make a glaze on the glass that will not easily come off. We go over the house with a brush, putting the whitewash on every spot of glass. This coat is to stay on as long as it will. Next, we mix some clay with water, light colored clay preferred, and go over the house again with a brush. This clay will wear off about right, as the season advances.

Now, bring in the boxes of young plants. If we are able to bring them clean and healthy to the place they are to grow we are a long way on the right road. We set our plants twelve inches apart each way, as we have to grow them rather large to get good, long stems. We not only have to grow a good flower, but the flower must be able to hold its head up a considerable distance from the other end of the stem.

As soon as the plants are in we give the bed a good watering, and, from this time on, we carefully syringe the stock late in the afternoon, or early evening, notwithstanding good authority to the contrary. Never yet have we used tobacco, soap, or anything but clear water to keep our plants clean through

the summer. The object is to grow them at this season for all they are worth.

About the first of August we gradually withhold water at night, syringing the plants in the early morning, and using every effort to keep them in the very best condition, for we are now approaching the season when they are apt to be attacked by spot. About the middle of August we give a top dressing of cornstalk manure from the same heap we used in filling our beds. By this time the dressing is in about the right condition. This is put in more to keep the flowers clean than to fertilize the plants. I make special mention of constalk manure, as we find it contains little or no fungus, and is never so strong as to hurt anything, no matter how much is used.

To my mind, over-stimulation is one of the great stumbling blocks of violet growing. By putting a good plant in soil mixed with strong manure or fertilizer we will get a thick mass of small, roundish leaves, with few and poor feeding roots. Subject such a plant to the strong rays of the sun, especially through the glass of a house running east and west, long span to the south, and spot is sure to follow.

About the first of September we try to go over our plants and houses, cleaning them up thoroughly, with the object of having everything in readiness for the blooming season.

Through all these months we have had no return for our labor but about September 1, the flowers will begin to appear. We try to get a good crop about October 1, before they become plentiful in the market. In the first weeks of November there will be very few in the market, the plants at that season having a tendency to moult, life being at its lowest ebb. Never attempt heroic measures then, such as dusting with tobacco or using strong emulsions. In fact, the violet is at all times a veritable little "Johnny Reed" as to tobacco. During the season of which I am speaking, or, in fact, any time, an attempt to force the flowers with fire heat or fertilizing will bring serious trouble. The desire is strong of course, to have flowers when others are short, but be content to go slow, allowing the plants this little respite.

NORFOLK, CONN.—H. A. Siebrecht is laying out the grounds of Carl Stoeckel.

Retzer on Planting Home Grounds.

At the last meeting of the Chicago Florists' Club, Walter Retzer discoursed on this subject at considerable length. His remarks were confined to the general rules of landscape gardening, which, he claimed, ought to be practiced no matter how small the surroundings may be. "Beauty, simplicity and harmony," continued Mr. Retzer, "are the three principal objects to be sought in landscape work and, when they have been obtained, you may depend upon it, the effect will be pleasing to the eye. Beauty without simplicity would not be attractive; many an object is beautiful in itself, and when associated with others its beauty may be enhanced or detracted from, depending upon the colors of the objects placed in contact with it. How often do we see a beautiful bed of tulips, say a bright scarlet variety, and in the immediate vicinity a glaring yellow, with no sort of introduction to each other! Each bed, effective as it would be by itself, loses over half of its beauty by coming in direct contact with the other. Again, take a specimen plant of any of our native trees, bring it in close contact with other trees and how much of the beauty is lost. How grand and majestic appear some of our native oaks, lindens and elms when standing alone and how inferior they appear when grouped with other trees of the same variety.

"Simplicity without beauty would show a lack of taste. What can be more pleasing to the eye than to see nature's beautiful colors all harmonizing, none more conspicuous than the other and each showing itself to the best advantage. Again we cannot omit harmony. It is difficult to say which one of the three principles can be omitted in laying out the surroundings of a residence without causing an eye-sore spot in the general view. Follow the dictates of nature wherever and whenever possible. Even in this a gardener may go to the extremes and try to make a house on a twenty-five-foot lot appear as though it was situated in a forest of native shrubs and trees. We frequently see a little lot so completely filled with plants that not a square foot of lawn is visible, and where all colors, beautiful as they may be in themselves, become completely submerged in the vast quantity of them."

Here Mr. Retzer severely criticised the decorative work of the public parks, especially Lincoln Park, Chicago, and, deprecating the prominence there given to inartistic buildings, he continued: "Architecture and landscape gardening are two distinct arts, but where we have one we frequently meet with the other. Perhaps that is the reason why you so frequently see the name of landscape architect. Architects they may be, but landscape gardeners never. Alas, the architects who are landscape gardeners are very few. It will never do for an architect to even try to practice his art upon a bit of turf. His sharp and angular lines are just the ones we must avoid in landscaping. Nature's beautiful flowing curves are the ones most attractive. Avoid all sharpness in lines and angles. Have nature lines to all your beds. In selecting your colors for a bed take only such as will harmonize. Never under any circumstances place together two primary colors; avoid planting red and yellow or blue in close proximity without the necessary relief between them. Pink in the center of a bed bordered by a scarlet will be heightened and the border's brightness reduced. Any of the colors which nature has given us can be used to good advantage. One must just know where and how to use them."

Commenting on aquatic gardening, Mr. Retzer advocated the planting of appropriate decorative borders around the ponds, which should be, preferably, of irregular outline and in a location as natural as possible. He favored soil bottoms, with frequent and regular changes of water, and stated that good drainage will act as a preventative of the diseases to which aquatics in stagnent ponds are subject. With an abundant supply of water, large overflow pipes properly placed will carry off much of the detrimental dust and insect life which would otherwise accumulate on the surface of the water. For occasional use—in cleaning, renewing the soil, etc., when it is necessary to empty the ponds—it was recommended that a large drainage pipe, with convenient trap, be located at the deepest part.

EASTER SCENE IN STORE OF F. PELICANO & CO., SAN FRANCISCO, CAL.

CARNATIONS.

CULTIVATION OF THE SOIL.

In times of drought prepare for rain; if you can't get it from the clouds, draw on the reserve supply in your soil by constant cultivation. This constant cultivation which I advocate will get your field into such a condition that the first rain that comes will be eagerly taken up by the soil and made use of, instead of running off, as would be the case if the soil were dry and hard.

A dust-dry surface is not often dry to any depth, as the dust acts as a mulch and has little or no power to draw moisture from the bottom soil by capillary attraction. A soil with a good dust mulch loses its moisture only through the plants growing in it and this moisture working from the roots to the outer surface of the leaves builds up and strengthens the tissue and cells necessary to the good health of the carnation. This cultivation would naturally keep all of the weeds down, and that is quite as important as is the cultivating in itself. In dry weather every weed should be looked upon as a robber, for the moisture that passes from the soil through the weeds is just that much loss to the carnation plants.

Worse than weeds, worse than almost anything, is to allow the surface of the soil to become hard and dry, as in this

case there is created a capillary attraction between the top soil and the bottom that takes the moisture out through the surface of the soil instead of sending it all through the plants. This double loss of moisture through capillary attraction and that taken up by the plants dries the soil out to such an extent that the carnations suffer even by a slight drought and are almost ruined by an extended one. To get this well fixed in our minds and to fully appreciate the loss to our carnations by such a condition we must remember that it is a natural law for water to move by capillary attraction from a loose soil into a hard one. This then, should fix in our minds the necessity of having the surface of our soil loose, so that what moisture there is in the soil will remain there until used up by the plants.

These rules apply to the greenhouses quite as well as to outdoor culture and the grower who wants to grow cut carnations all summer will also want to stir up the soil between the plants occasionally so that they get the benefit of the heavy waterings needed at this season of the year. If the surface of the beds or benches is allowed to become dry and hard the loss of water through soil evaporation and the extra quantities needed by the plants in the hot weather makes it almost impossible to supply the amount to get the best results.

Benches that are so thickly planted that the growth prevents getting at the soil should have a thinning out, so that the soil can be stirred up several times during the summer, that is if they are intended for summer cut flowers and you want the flowers to be on the top as to quality, and this last point is quite as important for summer flowers as for winter ones. ALBERT M. HERR.

CARNATION MRS. POTTER PALMER.

Some great things have come out of the west and it is no more than fitting that the carnation which so good a judge as James Hartshorne considers to outclass all the varieties now highest in popular esteem should be named for the leading lady of Chicago and the west, and the representative of her sex upon the United States commission to the Paris Exposition, Mrs. Potter Palmer. This bright scarlet newcomer is a seedling, the result of a cross between Jubilee and Chicago, or Red Mrs. Geo. M. Bradt. Mr. Hartshorne raised it in the private greenhouses of H. N. Higinbotham at Joliet, Ill., in the winter of 1897-98. In speaking of it he says: "It is ideal in form, color, stem and freedom of bloom and I do not know of any carnation that can be compared with it in all its points with the exception of size, although all the flowers measure over three inches." It has already been certificated by the Chicago Florists' Club and that after having been exposed to frost, which put the blooms at a disadvantage as to point-scoring. The variety is said to be an extraordinary keeper.

CARNATION MRS. POTTER PALMER.

ROSES.

MILDEW ON AMERICAN BEAUTY.

ED. AM. FLORIST:—Every spring after I stop firing I am troubled with mildew on my American Beauties. I never have any trouble with it while firing and the fire is kept going as long as the outside temperature is below 60°. How can I prevent the mildew this spring? My plants at present are in a fine healthy condition, free from mildew and every other disease. KANSAS.

Mildew may be prevented by leaving air on the houses continually after discontinuing fire heat; it will not only prevent mildew but the roses will be of better quality. The main cause of mildew is a damp, stagnated atmosphere; ventilation day and night does away with this; of course only a little air is required during the night but just as soon as the sun strikes the house in the morning the ventilators should be opened wider, gradually increasing the same till all are wide open. JOHN N. MAY.

AMERICAN BEAUTIES NOT BLOOMING.

ED. AM. FLORIST:—I grow American Beauties and they throw shoots eight to ten feet high, producing but few buds and most of these deformed. Would be glad to know the cause and remedy? I have thought the coils underneath the benches might afford too much bottom heat. What stock would you recommend for grafting American Beauty? I would like to try it in this way on a small scale. R. W.

Many growers have the trouble with American Beauty which this correspondent describes, excepting the deformed buds, which must be due to some local cause, probably thrips. These little pests are often very troublesome in fall and spring; continued fumigating is about the only safe remedy when they are numerous. The piping under the benches is no cause of the trouble unless the pipes are unduly heated and close to the under side of the benches. The best stock for grafting American Beauties is the Manetti, but most growers who have tried this variety grafted claim there is no superiority in them.

JOHN N. MAY.

House and Soil for Carnations and Roses.

ED. AM. FLORIST:—Please advise me as to the best way to lay out and pipe my carnation and rose house. It will be 20 or 24x120 feet and will run east and west. I want to devote about forty feet to roses, with a glass partition to separate them from the carnations. What kind of soil would you advise for each? I can get sod and cow manure, sheep manure and clay, also heavy black soil from the bank of a river which overflows each spring. D. O. P.

The part of the house for roses should be nearest the boiler, as that division should have about one-eighth more heating surface than the carnation division. The correspondent does not state whether he proposes to use steam or hot water for heating but presuming that he intends to use hot water, he should put two-thirds of the piping on the two sides with a little the most on the north side, and the remaining one-third distributed through the center of the house. For the division devoted to roses one 2-inch return additional on each side should be sufficient to maintain the difference in temperature required between the roses and carnations. If the house is to be twenty-four feet wide it will require twelve 2-inch pipes for the roses and ten for the carnations, all of which can be placed under the benches. A twenty-four-foot house can be laid out with two walks, one on each side of the house two feet wide, four benches each three feet nine inches wide, and three walks dividing the same, eighteen inches wide. This allows free access to all the plants from all sides. This, of course, is estimated for an even-span house. If it is decided to reduce the width of the house to twenty feet there will be one bench less in width, or the two outside benches, if preferred, may be placed next to the sides and made about two feet nine inches wide. This makes one less center walk than by the other method. The center benches would of course be somewhat different in width, which is easy to figure out, when the width of the house is finally decided upon. Regarding soil, the same that will grow good roses will do equally well for carnations. Good sod with an addition of one-third or one-fourth good cow manure will probably be much the safer. JOHN N. MAY.

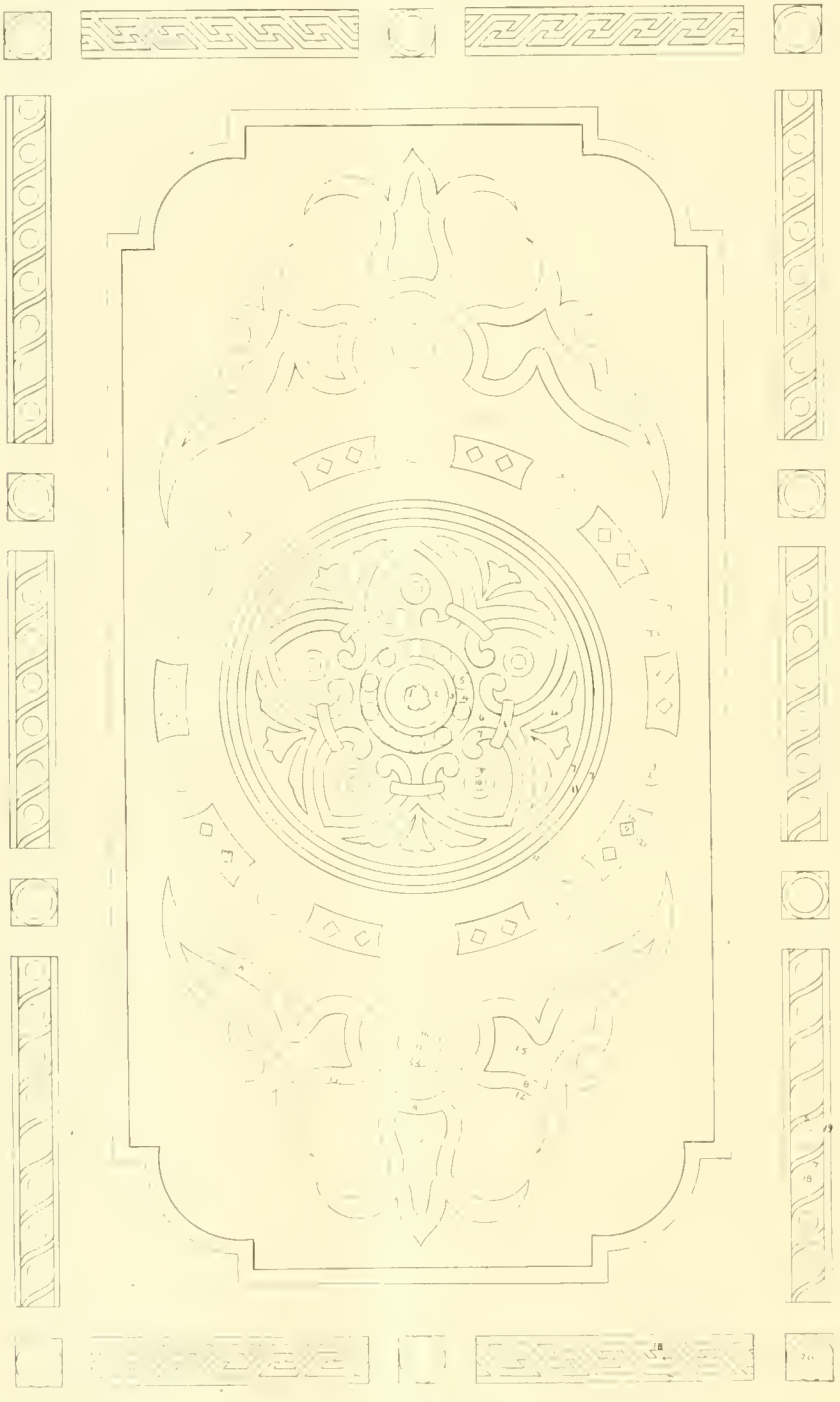


DIAGRAM OF SUMMER BEDDING IN HUMBOLDT PARK, CHICAGO, IN 1899.

Summer Bedding.

Our engraving illustrates a portion of the summer bedding which formed such an attractive feature of Humboldt Park, Chicago, last year. The accompanying diagram shows the exact form of the beds and borders and the decorative materials employed are indicated by numbers as follows: 1, Corypha australis; 2, Coleus Golden Bedder; 3, Lobelia fulgens; 4, Alternanthera versicolor; 5, Santolina incana; 6, Mesembryanthemum cordifolium variegatum; 7, Alternanthera paronychioides major; 8, Alternanthera amœna; 9, Lobelia compacta; 10, Dracæna indivisa. 11, Alyssum variegatum; 12, echeverias and shells; 13, thuja; 14, Oxalis tropæoloides; 15, nierembergias, 16, Begonia Erfordia; 17, Phœnix reclinata; 18, Alternanthera aurea nana; 19, Thymus variegatus; 20, agaves in vases; 21, Leucophyton Brownii; 22, Centaurea candidissima.

More About Heating.

ED. AM. FLORIST:—I have a house 20x50 feet, twelve feet to the ridge, which I wish to heat for general stock, affording a temperature of about 55° to 60° at night. The system is hot water and the boiler is to stand on a level with the greenhouse floor. For flows I want to use two 2-inch pipes and 1¼-inch for returns. I intend to run the two flows overhead. How many returns will be needed? NEW YORK.

It is not best to try to heat a house of this size with less than three 2-inch pipes and four would give better satisfaction. With four 2-inch flow pipes fourteen 1¼-inch returns will be necessary, but ten 2-inch returns would give a better circulation unless it is run under pressure. If the boiler will stand the pressure it will be well to connect the water pipes with the boiler and run with the valve open, thus doing away with an expansion tank. If you cannot sink the boiler carry the returns as high as possible.

L. R. T.

Hydrangeas Producing Staminate Flowers.

ED. AM. FLORIST:—Our hydrangeas have all developed staminate flowers with only a few neutrals acting as rays for the heads; they did the same last year. After flowering we dry off the plants, cut them back and plant out in full sunshine, giving plenty of water. The plants are taken up and potted before frost and placed underneath the benches in a cool house until it is time to give them full exposure to light. In summer they made fine growth and are now very handsome plants with large heads of bloom. Manure was not applied at any time. We wish to know whether our treatment was wrong or whether some plants persist in their evil ways?

SUMMER BEDDING IN HUMBOLDT PARK, CHICAGO, IN 1899.

Our cuttings of last year gave us the same kind of blooms as the old plants.

E. V. C.

I do not think there is anything which can be done to bring out more sterile flowers on these plants. To understand the case, we must remember that this hydrangea is but a sport, or supposed sport, from H. Japonica, a wild Japanese species. All sports have a constant tendency to revert to their original type, or if not a tendency, a liability to do so, and Hydrangea Hortensia is no exception. I do not think anything in the treatment has any influence on it. The origin of sports has never been determined, neither has it why they show a tendency to return to the originals.

This correspondent should throw out his stock and get in other plants well provided with sterile flowers, as it is safe to say culture or treatment have nothing to do with the production of neutral flowers. The common Californian privet, Ligustrum ovalifolium, has a sport bearing golden leaves, and those who have it know how persistently it tries to get back to its green state. Every season it has to be watched, and there are always a great many green shoots to be cut out. Left to itself the golden foliage would entirely disappear in a few years.

I had not noticed the reverting tendency in hydrangeas, but doubtless this is what is the cause of the degeneracy (?) the correspondent complains of, and I know of no other means of combating it than that prescribed above.

JOSEPH MEEHAN.

New York.

LAST WEEK A RECORD BREAKER AS TO HEAT AND DULLNESS.—THE PAST FEW DAYS SEE SOME IMPROVEMENT.—A STEREOPTICON LECTURE.—A BIG WEDDING IN THORLEY'S HANDS.—VISITORS FROM "THE OTHER SIDE."

The past week was a record breaker in two respects; it was the hottest week in May that New York has ever experienced, 90° in the shade being the average; it was the dullest week for business ever known in the "street." Flowers arrived in an almost useless condition, and $2.50 per thousand for roses was rather the rule than the exception, and if it had not been for the steamer trade, the dealers might as well have shut up shop. This week, with cooler weather, prices have stiffened somewhat, but the qualities of stock show the severe drubbing of last week and there is much mildew. With Decoration day close at hand the last spurt of the season will soon be over and another summer with all its attending desuetude will be upon us.

Cornelius Van Brunt delivered an entertaining and very instructive lecture on May 19, at the Museum of the Botanical Garden at Bedford Park. Over 100 colored stereopticon slides showing wild flowers and rural scenery were used. The next lecture will be on June 21, when Prof. E. S. Burgess will talk on the "Fairy Lore of Flowers."

The event of the coming week in trade circles is to be the wedding of the daughter of Senator Clark, of Montana, to take place in this city, Monday, May 28. Chas. Thorley, we understand, is to do the work and as it is a carte-blanche order no doubt he will out-Thorley himself.

William Fell, of the firm of William Fell & Co., Hexham, England, is paying a visit to this country. We believe it is his initial visit and wish him a pleasant and successful journey.

J. I. Raynor is handling the first asters of the season.

In town: P. M. Koster, Boskoop, Holland.

Boston.

MARKET HEAVILY OVERSTOCKED AND LITTLE RELIEF IN SIGHT.—OUTDOOR FLOWERS RIGHT IN LINE FOR MEMORIAL PURPOSES.—WEEKLY SHOWS ARE ON ONCE MORE —SOME GOOD THINGS ON DISPLAY. —TREE PLANTING AND ITS CRITICS.—MOTH HUNTER RESIGNS.

Heavy receipts of flowers and light demand all through last week forced an accumulation on this market such as is rarely experienced here. Rainy weather prevailed, also, and this shut out the street fakirs as buyers, making the situation exceedingly discouraging for the wholesalers. This condition of overstock is likely to continue until Decoration day, until which time there is no probability of any revival in business. The season is such that outdoor flowers promise to be unusually abundant, lilacs, lily of the valley, hawthorns, etc., being exactly in it as to date this time. The effect of this will be to keep values down generally

and while lilies and carnations will, no doubt, take a good jump, as usual at Decoration day, there seems but little reason and less opportunity to advance prices beyond recent regular quotations. The advance sale of dried and artificial material is rather slow but the quality of this kind of stock offered is much better than usual and it is more artistically arranged than in the past.

The weekly Saturday shows at Horticultural Hall have begun. On May 19 there was a very attractive display, although the season is somewhat later than usual. Wm. Sim's improved candytuft attracted much attention and was awarded a certificate of merit. Stems four feet high and flower heads four to six inches in length are not usually seen in candytufts. A certificate of merit was given to Arthur Hunnewell for superior cultivation of Schizanthus pinnatus, of which three large plants were shown, and a silver medal went to H. H. Hunnewell for superior cultivation of Cattleya Skinnerii and C. Mossiæ, of which profusely flowered specimens were shown. The Blue Hill Nursery Co. made a nice display of herbaceous flowers, Ed. Powell, gardener to W. J. Clemsen, staged a fine collection of tulips, carnations and promiscuous flowers. F. O. Willard showed stocks and snapdragons, and Mrs. Gill a variety of cut flowers. Morphixia longiflora and M. longiflora rosea from Dr. Weld, both unfamiliar to the visitors to these exhibitions, were very interesting.

A large number of young trees, stated to be 1650, have recently been planted on Boston Common. This is, in part, attributable to the persistent criticism with which the newspapers have been filled for some time, but evidently does not fill the bill, for the critics are still finding fault with the selection, the manner of planting, etc., one correspondent of the *Transcript* advocating the placing of the Common and Public Garden in charge of Japanese gardeners.

E. H. Forbush, field director of the gypsy moth committee of the Massachusetts State Board of Agriculture, has resigned his position, owing to the delay and uncertainty in connection with gypsy moth legislation.

The lilacs are in bloom at the Arnold Arboretum and attract throngs of visitors. The grounds throughout look finer this season than ever before.

N. F. McCarthy reports unprecedented demand for all kinds of spring plant stock and a decided shortage in the supply. Prices at auction are exceedingly favorable to the grower this year.

Fred. Dawson is seriously ill with pleurisy at his home in Jamaica Plain.

The first water lilies of the season have made their appearance in Galvin's window.

Philadelphia.

RETAIL TRADE IS INACTIVE.—USUAL SPRING CONDITIONS PREVAIL.—BEAUTY SUPPLY GREATLY REDUCED.—ONLY TIGHT BUDS OBTAINABLE.— PÆONIES PLENTIFUL.—MEMORIAL TRADE LIGHT.—CRAIGS' NEW ROSES.—IMPORTATIONS WHICH PROMISE GREAT THINGS.

Store business is slow, as it usually is the third week of May. Still, while the demand is light, there does not seem to be any great overstock, as the shipments are cut down considerably, the growers not paying much attention to the crops at present, being too busy preparing their houses for next season. The Beauty supply has fallen of to one-half or one-third of what it was two weeks ago and the quality has retrograded in about the same ratio. The best stock can now be bought for $1.50 per dozen. Why do they cut the buds so tight? Most of the Beauties now look like extra long-stemmed Gontiers. No amount of talking seems to make any difference, for they continue to come in the same way each day and have to be kept two or three days to be salable. Carnations are still good, Ethel Crocker leading them all for color, size of flower, stem and other good qualities, besides being cheap enough to handle in quantity. Ordinary kinds sell for 75 cents to $1; fancy, $1.50 to $2. Sweet peas are now in from the field and sell for 25 cents to 50 cents per hundred. Lily of the valley is in full supply at $3. Pæonies are now becoming plentiful; $4 to $5 per hundred is the price. Robt. Craig & Son have a fine lot, having purchased largely of the Pitcher & Manda stock when it was distributed. W. K. Harris and Jos. Heacock are also large growers of this flower. The next two weeks will see them at their height and a very welcome addition they will be, as orders are booked for a number of weddings the first week of June. The pæony will have the decorative feature of these events to itself, as nearly if not quite all the other large, showy flowers and blooming plants are out of the market. Decoration day trade does not amount to much in this city, except for quite a number of immortelle designs consisting of imitations of G. A. R. badges, flags, shields, guns, muskets or cannons and large "donations" of cut flowers that the various florists are expected to give to their patrons and others, who seem to think they should get them as a matter of course.

Robt. Craig & Son have just received an importation of fine bay laurels; they are choice specimens and should sell well. Two new roses are also to be seen here, one a coppery shade, something like the color of Mme. Capucine. It was raised in England, where it has caught the popular fancy to a degree not common with new things. It is called Sunrise and in vigor and in size of flower is much like the Perle des Jardins. It is also very fragrant. The other is called Killarney; it is a fine shade of pink, much the same as Caroline Testout, but is said to be a great improvement on this beautiful variety. It is of Irish origin, from the home of the Liberty, at Dickson's. Mr. Craig predicts a great sale for these two when their merits become known. K.

Chicago.

THE MARKET TAKES A BRACE.—STOCKS SHORTEN MATERIALLY AND QUALITIES IMPROVE.—PROSPECTS FOR MEMORIAL DAY.—MEETING OF THE CLUB.—PAPERS, COAL AND OTHER MATTERS.—BIG BUSINESS IN CARNATION CUTTINGS.—HARTSHORNE IS HAPPY.—BUILDING OPERATIONS HERE AND THERE.—VARIOUS NOTES OF INTEREST.

The cool weather of the week, combined with the fact that low prices have caused many growers to throw out their old stock, has brought about a much needed reduction of supply and the market has assumed a much more nearly normal tone. There is still plenty of stock in most lines but long Beauties are scarce and good roses and first grade carnations are none too plentiful although qualities, while still inferior, are somewhat improved. The shipping trade has picked up noticeably and local demand shows signs of life, with the result that pretty nearly everything is selling for what it is worth. Of course the garden flowers are hurting the sale of indoor stock to some extent but there promises to be no great quantities of outdoor material about for Memorial day, so that roses and carnations should meet with fair sale for that occasion. In fact, a great many Memorial day orders are now on file and the aggregate promises to be all that can be reasonably expected. The indications point to considerable supplies in some lines which are not usually procurable at the last of May, Harrisii for instance, and as to prices the wholesalers are very generally duplicating last year's list.

The last meeting of the Florists' Club was fairly well attended. Walter Retzer's paper on the planting of home grounds turned out to be more of a criticism of present methods in park planting than the title would imply, and in the discussion which followed the blame for most park defects was properly charged to politics. W. N. Rudd, chairman of the committee on co-operative coal purchase, requested that all the florists in and around Chicago send him full particulars concerning their last year's coal supplies, including the kind of coal used and the quantity, so as to place him in a position to talk business with the coal merchants. The committee on transportation to the S. A. F. convention at New York next August reported progress and issued a statement to the trade press which will be found on page 1328 of this issue. A query from the question box, developed the fact that at least one grower of specimen chrysanthemum plants in this vicinity is finding it impossible to prevent large plants from blooming prematurely. None of the members present could satisfactorily account for the phenomenon. It was understood that W. L. Palinsky will read a paper at the next meeting, which will be held June 1.

Andreas Simon, of the *Staats-Zeitung* informs us that he intends visiting the bulb growing district on Bellingham Bay, Whatcom county, Washington, about July 1. Several local friends in the trade have expressed a desire to accompany him, including Edward Kanst, of Washington Park, Charles Stromback, of Lincoln Park, J. Jensen of Humboldt Park, and John Degnan, of Vaughan's Seed Store. Mr. Simon assures us that C. X. Larrabee and T. C. Canfield, of Fairhaven, Wash., will take good care of all visitors. Very advantageous rates have been secured for this trip and Mr. Simon will be pleased to furnish all prospective participants with full particulars.

J. D. Thompson has returned from New York. He is more than pleased with the business the Chicago Carnation Company has done in rooted cuttings this season, the gross sales exceeding 300,000, and he has it from Thomas Galvin that their orders for cuttings of Mrs. Lawson exceed by 600 those of the next largest buyer of this famous variety. The Carnation Company shipped an order of cuttings to Austria one day this week.

James Hartshorne, of the Chicago Carnation Co., Joliet, Ill., is the happy father of another son, who arrived May 20. Mrs. Hartshorne and the baby are both well. It is Mr. Hartshorne's intention to visit Europe this summer, starting about July 1, and covering the Paris Exposition and many important horticultural points in England.

Adolph Poehlmann has secured land six blocks north of his brothers' range

at Morton Grove and is preparing to build six houses 27x250 feet. George M. Garland has the contract and of course the iron gutter is to be used throughout.

Miss L. Hudson, Lily Cohrs on the stage, daughter of J. M. Hudson, of St. Louis, is in town this week with the Castle Square Opera Company at the Studebaker. Miss Hudson reports her father's health much improved.

Albert Fuchs sails from New York to-day via the Hamburg-American Line, for a protracted stay in Europe, returning only to place his boys in school at Notre Dame; he says he will then go around the world.

Peter Reinberg's salesroom is being modernized and somewhat enlarged and the Wietor Brothers are fixing up a bit, having made a three years' lease running from the first of this month.

E. H. Hunt, who has a nice line of high-handled willow baskets, says that they are selling well in the country but that as yet there is no sign of commencement business among the city florists.

George Reinberg will put in two new boilers this year and perfect his heating plant. He is going into fancy carnations next fall and is making every preparation to grow them to perfection.

Three 100-foot greenhouses at Mt. Greenwood Cemetery will be rebuilt this season. Mr. Rudd will use the Garland gutter, and concrete for the walls and arched bench supports.

Bassett & Washburn report a stringency in the labor market. They say that they are falling behind in their outdoor work because of their inability to get laborers at $1.75 per diem.

G. H. Pieser is at home from West Baden feeling equal to the task of paying growers once a week or every day if need be.

Wietor Bros. are still selling pot plants of American Beauty in bloom. They went well at Easter.

The many friends of W. E. Lynch will be pleased to learn that his health is much improved.

Visitor: H. Schweitzer, of Mendota, Ill.; G. E. Hunt, Terre Haute, Ind.

Washington.

TRADE IS BETTER.—COOL WEATHER VERY WELCOME.—SEVERAL GOOD DECORATIONS.—MYSTIC SHRINERS IN CONVENTION.

Trade has improved somewhat since the Mystic Shriners have arrived in the city. The weather has been more seasonable for the last day or so and the cool nights are keeping back some of the outdoor flowers.

Senator and Mrs. Gear gave an excellent dinner May 16, at the Portland, in honor of the Iowa delegation in congress. The dining room was elaborately decorated with plants and the mirror rests and mantels were banked with adiantum surmounted by vases of American Beauty roses. The center piece for the table was in the shape of a star made of Liberty and Meteor roses, the points of lily of the valley.

Representative William Connell, of Pennsylvania, was host, May 17, at a dinner to the Pennsylvania delegation in congress. The tables in the banquet hall at the Shoreham, at which fifty covers were placed, were tastefully spread with adiantum fronds and sweet peas. The principal piece, at the head of the table, was of American Beauty roses and white lilacs. Along the table were smaller pieces, two of Bridesmaid roses and blue cornflowers, one of Bride roses and sweet peas and at the foot of the table was a large one of Bougainvillea glabra. Both decorations were by J. H. Small & Sons.

A. Gude & Bro. had the decorations for the reception hall at the National Rifles' Armory and at the Columbia theatre, the place of meeting of the Mystic Shriners. At the banquet to the Mystic Shriners at the Riggs House covers were laid for 250 guests. The decorations were very elaborate. This was also by Small & Sons. P. G.

St. Louis.

LABOR TROUBLES CONTINUE TO THROTTLE TRADE.—PRICES ON GRAND AVENUE.—SEEN AMONG THE NUMEROUS RETAIL STORES.

The situation in this city remains practically the same as reported last week. More street cars are being run each day, under police protection, but the end of the strike is apparently as far away as when it first went into effect. The result is that business is poor, and a great deal of stock is going to waste. Prices on and around Grand avenue range as follows: Beauties, $5 to $8; mixed roses, $1 to $1.50; carnations, 35 cents to 75 cents; pæonies, 50 cents to 75 cents; white stocks, $1; sweet peas, 15 cents and centaurea, 15 cents to 25 cents. Down town the prices vary, but in almost all cases are lower than the above.

Among other varieties of carnations seen at Waldbart's is a fine lot of General Gomez, which make a rich and most attractive display.

The front of Young & Sons' store has been one mass of young plants, including several vegetables, Allegheny hollyhocks at 20 cents each, petunias at $1 a dozen, and many others.

Fred. Foster's place is made attractive this week by many large vases of pink and red pæonies.

F. W. Maas, with the Plant Seed Co., is happy in the recent arrival at his home of a baby girl.

Bunches of sweet peas edged with blue centaurea are finding ready sale. M.

Denver.

TRADE NOT BRISK BUT LITTLE SURPLUS ACCUMULATES.—BEAUTIES IN DEMAND.—WHAT THE GROWERS ARE DOING.

Trade has been rather slow for the past week. There is a good demand for long-stemmed Beauties, but tea roses and carnations sell only fairly well. Funeral work has kept down the surplus of stock although flowers are plentiful. All the spring flowers are cut and sweet peas, pansies and marguerites take their place. Prices on cut flowers are keeping up well for this time of the year. Good Beauties retail at $5 per dozen, tea roses $1.50 and carnations 50 cents per dozen.

The Park Floral Co. is making some very fine window decorations and they are well appreciated by the public.

Mrs. R. Mauff is cutting some good Beauties and Glauber & Webb are cutting some fine Brides, Bridesmaids and Woottons.

Fred. Hall is cutting sweet peas by the thousands. All kinds of bedding plants are selling well this spring. DENVER.

JEWETT CITY, CONN.—A. A. Young, Jr., is preparing to erect a carnation house 36x108 feet which shall include all the latest improvements. He has placed the order for the iron frame construction with Lord & Burnham, Irvington, N. Y. Mr. Young will also erect a central boiler plant to heat his entire range.

Milwaukee.

EXCELLENT CALCEOLARIAS AT FOREST HOME.—THE FORSYTHIA IN FAVOR.—A WEDDING ANNOUNCEMENT.—TRADE NOT HEAVY.—NOTES

One of the finest displays ever seen here has been the calceolarias grown by James McGregor at Forest Home Cemetery. Many of the flowers were as large as a fifty-cent piece. The colorings can hardly be described. When looking at them, one is at a loss to know why azaleas are so popular at $1 to $2 each and these plants so little seen in stores. William Freytag, I think, is the only commercial florist in this city who has grown a creditable lot.

Announcement of the marriage of C. E. Newbury, of Mitchell, S. D., to Jessie E. Fulford, of Kimball, S. D., has been received. We hope to have a like item to record about one of our Milwaukee boys before another month.

This spring has added much favor to the reputation of the forsythia as a decorative shrub, both for growing upright and training over walls in almost any situation.

You can get all the ordinary cut flowers you want now at quite reasonable prices. Parrot tulips have been in evidence lately and are appreciated.

Frank Dilger has marketed his usual supply of Spanish iris and ixias, both of which sold well.

One of the best delivery wagons is run by E. Haarsh.

C. B. W.

Syracuse, N. Y.

The storm of wind and hail which swept through the Onondaga valley on May 17 did a great amount of damage other than that to greenhouse establishments, although they of course were the most vulnerable of structures. Henry Burt estimates his loss in glass at 1,500 lights and one house is almost a complete wreck. Henry Morris was fortunate in escaping with the fracture of about 400 lights and the loss of some stock. L. A. Guillaume lost 1,000 panes at his Salina street place, but at his range in the valley he escaped untouched although the damage was all about him. L. E. Marquisee had 800 lights of glass broken but his principal loss was in his carnation field, where he had 60,000 plants exposed to the pelting ice.

The market gardeners all report more or less damage to their greenhouses and crops. W. J. Park suffers the loss of about 1,000 panes of glass in his greenhouse, beside damage to vegetation. George B. Harper was a heavy loser, and T. K. Gibbs had 200 lights of glass broken. Reports from the storm-stricken region show that the damage to the growing crops will be very heavy.

LOWELL, MASS.—Oakes Ames, assistant director of the Harvard Botanic Garden, was married on May 15 to Miss Blanche Ames, granddaughter of the late General B. F. Butler.

NEW HAVEN, CONN.—The meeting of the reorganized horticultural society at J. N. Champion's on the evening of May 14 brought together a very gratifying attendance. A full board of officers was elected, including Eli Whitney, president; Robt. Veitch, Jr., secretary; S. H. Moore, treasurer; ten vice-presidents and a board of managers, consisting of thirteen members with J. N. Champion, chairman. It was voted to hold an exhibition of strawberries and roses some time during the month of June.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

"Subscriber" and other correspondents should remember that all communications which do not bear the real names of the writers go to the waste basket. Absence of the real names renders it impossible to identify correspondents, and it is often desirable to communicate with such parties before we can reply to their queries with intelligence or publish their communications correctly. The names are not required for publication, but as a safeguard against error.

IT is probable that no previous season has seen such large sales of dormant roses.

THE next exhibition of the American Rose Society will be held at the Eden Musee; 23rd street, New York, June 12-14.

AGAIN this season there comes a demand for English ivies, for window boxes and similar purposes, which exceeds the supply.

IN our issue of May 19 it was stated that the late C. F. Baker was a member of the S. A. F. We now find that Mr. Baker was not a member.

THE Howard & Wilson Pub. Co., of Chicago, publishers of *Farm, Field and Stockman*, made an assignment May 16. It is understood the paper will be continued.

THE production of American window glass does not now exceed 50,000 boxes per week and will cease for three months June 15 unless the blowers agree to a proposition to prolong the fire two weeks.

IN our Indianapolis news notes of last week, it was incorrectly stated that Alfred Pahud of that city had sailed for France. Mr. Pahud and his only daughter, Louise, will sail on the French ship La Quitaine, June 28.

W. N. RUDD is authority for the statement that no modern greenhouse plant is complete without a gasoline engine. For pumping water and saving labor in a multitude of other directions, he claims there is nothing to beat this contrivance.

Well Pleased.

AM. FLORIST CO.:—Our stock of roses that we advertised in your paper is very nearly exhausted, and we may say that we are exceedingly pleased with the result, so that we think it possible you may hear from us again in the autumn.

HOOPES BRO. & THOMAS.

West Chester, Pa., May 21, 1900.

The Whole Thing.

ED. AM. FLORIST:—We enclose P. O. order for the AMERICAN FLORIST for another year. We consider it the "whole thing." SOUTH PARK FLORAL CO.

New Castle, Ind., May 17, 1900.

Chicago to New York.

The Chicago Florists' Club's committee on transportation to the New York convention of the S. A. F. in August is making very satisfactory progress, and an economical and enjoyable trip is assured. Florists in the west and northwest will be invited to travel with the Chicago party and share the advantages obtained by the club.

Bromeliads as Floral Receptacles.

ED. AM. FLORIST:—In your issue of May 12 you make mention that a Chicago florist was the first to take advantage of the structure of bromeliads for the reception of cut flowers in the natural wells which constitute one of their characteristics. In defense of the east, I beg to state that as long ago as 1890 W. A. Manda used bromeliads in this way to great advantage at the exhibition held by Pitcher & Manda in Madison Square Garden, New York.

HARRY A. BUNYARD.

Greenhouse Building.

Framingham, Mass.—E. J. Hasseltine, one forcing house.

Highland, N. Y.—Mrs. M. J. Moore, range of violet houses.

No. Abington, Mass.—S. Littlefield, carnation house 20x100.

New York, N. Y.—Bronx Park, plant house.

Indianapolis, Ind.—Henry Rieman, range of houses.

Washington, D. C.—C. Schellhorn, house 25x150.

Lockport, N. Y.—F. G. Lewis, two houses 18x100.

Newburyport, Mass.—F. S. Moseley, range of houses.

Waterville, Me.—H. R. Mitchell & Son, range of houses.

Waltham, Mass.—Marshall & Anderson, range of houses.

Chatham, N. J.—J. T. Wagner, three rose houses.

Omaha, Neb.—A. Donaghue, range of houses. Lewis Henderson, one house. Peterson Bros., house 20x100. Hess & Swoboda, house 14x100.

New Hampton, Ia.—E. J. Springer, range of houses.

Burlington, Wis.—A. Helfrich, house 25x160.

Martin's Ferry, O.—Mrs. F. McCord, one house.

Maywood, Ill.—Fred. Hills, house 30x127.

Orange, N. J.—John McGowan, carnation house 20x125. A. B. Jenkins, Geo. Von Quillen, gardener, four houses 20x33.

Northampton, Mass.—H. W. Field, carnation house 20x75.

Morton Grove, Ill.—Adolph Poehlmann, range of houses.

Pan-American Exposition Notes.

The past two weeks have brought about considerable changes in the landscape work of the grounds. Many hundreds of large trees, mostly maples, elms, poplars and horse chestnuts, have been brought to the grounds and planted. The lake connecting the canals is about completed and the banks planted with a large assortment of shrubs. In the music garden have been planted several thousand hardy roses in masses of 500 of one variety. Two thousand of these are an exhibit by Ellwanger & Barry, of Rochester, N. Y. With the careful planting they have received and the heavy enriched loan they are in they should make a splendid show in 1901. Rudolph Ulrich, the landscape gardener, is the busiest of men. The grounds surrounding the service or administration building are seeded, sodded and planted and have already a most finished appearance. Work is progressing rapidly on all the most important buildings.

WILLIAM SCOTT.

Catalogues and Cut Flower Price Lists Received.

Wilfred A. Brotherton, Rochester, Mich., wholesale list of bulbs, tubers and other plants, trees and shrubs; Van Til-Hartman, Hillegom near Haarlem, Holland, wholesale list bulbs and roots; State Nursery Co., Helena, Mont., plant food; C. C. Pollworth Co, Milwaukee, Wis., spring plants; Lord & Burnham Co., Irvington-on-Hudson, N. Y., greenhouses; E. H. Hunt, Chicago, Ill., wholesale cut flowers, seeds, bulbs and florists' supplies; Holton & Hunkel Co., Milwaukee, Wis., wholesale cut flowers, florists' supplies; A. G. Prince & Co., Chicago, Ill., wholesale cut flowers and supplies; Welch Bros., Boston, Mass., cut flowers; Cincinnati Cut Flower Co., Cincinnati, O, cut flowers and florists' supplies; Vaughan's Seed Store, Chicago and New York, fall bulbs and plants.

OBITUARY.

MRS. HARRIET SNYDER.

Mrs. Harriet Snyder passed away this week at her home at Grandville, Mich., upon the one-hundredth anniversary of her birth. She was the grandmother of L. C. Lincoln.

LOUIS DONNELLY.

An accidental death has overtaken another of Rochester's florists, Louis Donnelly, of Donnelly Bros., who have their glass at Charlotte. Mr. Donnelly had started for New York on business, Saturday, May 19, and the next day his lacerated remains were found beside the railroad track near Newark, N. Y. The young man, for he was only 35 years of age, once worked for the Jackson & Perkins Co., and it is presumed that he left the train at Rochester for the purpose of calling upon his old employers. He was well liked in the trade and is spoken of as one who had a bright future before him. He and his brother William had a good business, handed down to them by their father, who established it years ago. Recently they had grown bedding plants principally and were in the midst of their greatest prosperity. Mr. Donnelly had never married.

HERKIMER, N. Y.—James Barclay is making extensive alterations in his range of houses, thoroughly modernizing the establishment.

MANCHESTER BY THE SEA, MASS.—W. J. Stewart addressed the North Shore Horticultural Society on Friday evening, May 18, his subject being "My Garden." Mr. Stewart and F. L. Mathison were guests of H. Thiemann, gardener at the seaside cottage of Senator McMillan.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

SITUATION WANTED—By a florist in private place; competent. W, care American Florist.

SITUATION WANTED—By A No. 1 rose and carnation grower or foreman; single; good designer. Best of references. State wages. Address TRUTH, care American Florist, Chicago

SITUATION WANTED—By a No 1 up-to-date rose grower, to a reliable party Satisfaction assured. Excellent references. Address EMIL LE FEVRE. 32 Morgan St., Chicago.

SITUATION WANTED—As foreman by grower of first-class cut flowers and general greenh use stock. Capable of handling men Disengaged May 31. Strictly temperate Address B. care Am Florist.

SITUATION WANTED—By a first-class grower of roses carnations, 'mums, violets and general stock. Married; no children; reference; state wages and particulars in first letter. F. F. GENTZ, Nettville, Lancaster Co., Pa.

SITUATION WANTED—As working foreman; well up in all branches of the business Can handle heaths, orchids, etc. First-class references. English; married. Address, with full particulars and wages, L X care American Florist, Chicago.

SITUATION WANTED—By good, all around florist 16 years' experience in roses, carnations, 'mums, violets and general pot plants. Good propagator, as working foreman. Best of references; single; German. Address S S, Standish, Kansas.

SITUATION WANTED — Expert, English truck grower (shipped four tons mushrooms past winter). Can introduce improved systems in asparagus culture. A successful manager Leaving on account of property changing hands. Address A 1 W, care American Florist.

SITUATION WANTED — By thoroughly reliable, all-around grower; German; married. Life experience: competent to fill any position—private, commercial or institution. Understands vegetables under glass. Al references. Address FLORIST 3456, care Am. Florist.

WANTED—A boy from 15 to 18 years of age, as apprentice in my greenhouses. JOS. LABO, Joliet, Ill.

WANTED—A young man for store and greenhouse. Send references to H. F HALLE, 548 W. Madison St., Chicago.

WANTED—Two young men as assistants in rose houses. Inquire of GEO REINBERG, 301 Balmoral Ave., Chicago.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—A few good men as assistant rose growers and helpers Apply to BASSETT & WASHBURN, Hinsdale, Ill.

WANTED TO RENT—A place in good condition, of from 4000 to 6000 feet of glass. Address SCOTCH, care American Florist, Chicago.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—Two young men handy at general greenhouse work for potting, tieing, planting, etc. Wages according to ability. POEHLMANN BROS., Morton Grove, Cook Co., Ill.

WANTED—A competent man to take charge of conservatory and grounds Address, stating age, references and salary expected. A C F, care American Florist.

WANTED—Two young men, able to take charge of a range of rose houses. Must be experienced men. References. Apply to EMIL BUETTNER, Park Ridge, Ill.

WANTED—Gardener that thoroughly understands the growing of plants for store trade. State wages, and address at once, with particulars. WILLIAMS BAY FLORAL CO., Williams Bay, Wis.

WANTED—Landscape draughtsman familiar with nursery stock and nursery work. Good position for an energetic young man. J. WILKINSON ELLIOTT, Carnegie Bldg., Pittsburg, Pa.

WANTED, June 1st, a florist who will take charge of my greenhouses at Denver, Col; he must be willing to work at anything connected therewith, sell the cutflowers or plants, work in outside garden etc., when required. May bring an assistant; if so, will pay the two $60 00 per month, furnish a house on the ground, with coal, light, etc Who speaks first. SCOTT J. ANTHONY, Denver Col.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Greenhouse plant, 25 000 feet of glass; place as good as new, 2⅓ acres of land with good dwelling house, barn, etc; 14 miles from court house, Chicago. W L, care American Florist, Chicago.

FOR SALE—10,000 feet of glass, steam heating, water works, ground and office: all complete and in running order, in city of 200 000; next to main entrance to largest cemetery; best of trade. Best reason for selling. Some cash required. Address M M, care American Florist.

FOR SALE—Two greenhouses one 120x20, the other 60x20. office front all double thick glass; hotbeds and sash Large spring stock now on hand. 30 000 inhabitants within six miles; no competion, as nearest greenhouses are 24 miles Two acres good land; houses in good condition; steam heat; all new last year, including new boiler Will give possession right away. Other business out of town cause of selling. Address E B, care American Florist, Chicago.

FOR SALE.

A rare opportunity to one with capital; a greenhouse establishment, well stocked, of 9000 feet of glass, including large office; centrally located; built three years ago, with latest improvements; city of 50,000 inhabitants, located in Colorado—great health resort. No competition. Large factories with pay rolls of $400,000 to $500 000 per month. Good reason for selling. $6000 cash or in payments. Inquire if you mean business. J O Z, care Am. Florist, Chicago.

For Sale

Three Greenhouses, 20x80 each, two short span to south, one even span; steam heat, five years old, best cypress material, stocked with plants, etc. Possession given immediately, houses to be moved. Good town, 5000 people. Sell altogether only. Write for particulars.....

JOHN LIEBER, Maryville, Mo.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
B46 New York Life Bldg. KANSAS CITY, MO.

A GREAT BARGAIN. 16,000 square feet of glass in 8 houses, 5 new, 3 old. Located in a city of more than 126,000 inhabitants, fronting the best known cemetery in the state, where 55,000 are buried. Same place sold March 1st, 1897, for $10,000.00, with two less houses than at present. Adjoining property sold March 1st, 1900, at $22.50 per front foot. Will sell ⅓ or ½ interest to the right party, a thorough florist preferred. Will give more particulars in regard to heating, ventilating etc., in fact a complete diagram of same by writing. Address, BARGAIN, Care Am. Florist, Chicago.

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons or selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

FOR SALE

The Morris Floral Co., Morris, Ill., 61 miles west of Chicago, doing a retail and wholesale business; incorporated 1897; 20 000 feet of glass, doing a business that increases every year; the increase over 1899, was $1,282.61 up to April 1, 1900. The reason for selling is that A. Mitting, Secretary and Manager, is retiring and there is no one else in the company who understands the florist business. The property includes six acres of land, two houses and barn; everything up-to-date; boiler capacity equal to 40,000 ft. of glass; all new 1897; cannot be built to-day for less than $20,000. Terms $3,000 cash, balance good paper. Sold by bids to highest bidder. All bids must be in before July 1. If you mean business come and see us.

A. MITTING, Sec'y, Morris, Ill.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a fine dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE at a great sacrifice

STOCK OF PLANTS AND SIX GREENHOUSES with latest improvements, steam heat, etc.; opposite cemetery, large ground fronting main street in prosperous town close to Chicago; street car passing the door; best opportunity to secure excellent investment and well-paying business. Reason for selling, owner going to Europe.
S. Schallman & Co., Room 1204, 138 Wash. St., Chicago

Who Wants Them ?

8,000 to 10,000 lights DOUBLE THICK GLASS, 16x24, at $2.75 per box, (actual value $3 75 to $3.90 box.)

One 40 H. P. HORIZONTAL BOILER in good condition. Price $150.00.

200 red cedar posts, a lot of sash bars, ventilators, rods, sills, etc.

All the above are in good condition, and can be put on track promptly at Lansdowne station, P. W. & B. (6 miles from Philadelphia.)

I purchased them at the sale of the CONNOR PLACE here, cheap, and will sell again at a bargain. Call or write.

W. L. REMENTER,
FLORIST. LANSDOWNE, PA.

For Sale.

100 Hot Bed Sashes, 9-ft. 3-in. wide, 8x10 glass.

75 Hot Bed Sashes, 6-ft. 3-in. wide, 8x10 glass.

1000 lights, 18x24 D thick glass.

One Force Pump, upright boiler, good order.

MUST BE SOLD IMMEDIATELY. For full particulars, apply to

Patrick Welch,
15 Province Street, BOSTON.

FOR SALE

Making a Change in our Method of Heating, We Offer the following Boilers For Sale:

Two No. 17 Hitchings' Boilers, shaking grates. Been in use three seasons, are in first-class order. Price $125 each.

One No. 8 Furman brick set hot water Boiler. Been in use four months, as good as new. Price $225.

One No. 6 Furman brick set hot water Boiler. In use five months, as good as new. Price $140.

One No. 8 Furman brick set hot water Boiler. In use three seasons. In first-class condition. Price $200.

One No. 7 Furman brick set hot water Boiler. In use five seasons. In good order every way. Price $150.

One No. 7. Furman brick set Boiler, steam or hot water. In use 6 seasons. In good order. Price $100.

One No. 8 Furman brick set Boiler, steam or hot water. Been in use five seasons. In good condition. Price $150.

All of these Boilers are in the best condition. Shaking grates in all. Have just been taken out to make room for two large boilers. Will deliver F. O. B. Richmond.

ADDRESS

W. A. HAMMOND,
107 East Broad St.,
Richmond, Va.

New Haven, Conn.

Trade remains about the same, with the announcement of some large June weddings. Cut flowers seem to hold on pretty well, the demand for good stock being about equal to the supply. The plantsmen are very busy at the present time, bedding out and getting ready for Memorial day. This has been a rather late season, there having been a very heavy frost on May 10, doing a good deal of damage to small fruit trees and the like.

Mr. and Mrs. J. N. Champion have returned from a trip to Boston and Providence.

John H. Slocombe intends erecting two new violet houses this summer 12x150.

Recent visitors: Mr. Cheesman, representing Vaughan's Seed Store; C. S. Van Waveren, of Segers Bros., Holland; J. Austin Shaw and Mrs. Shaw, New York.

G. H.

Wholesale Flower Markets

CINCINNATI, May 24.

Roses, Beauty, select	5 00
" " medium	3.00
" Bride	3.00@ 5.00
" Bridesmaid	3.00@ 5 00
" Meteor	3.00@ 5.00
" Perle	3.00@ 4 00
Carnations	1 00@ 1 50
" fancy	2.00@ 3.00
Lily of the valley	3.00
Gladiolus	4.00@ 5.00
Callas	8.00@10 00
Stocks	2.00
Sweet peas	.50
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.20
Asparagus	50.00

ST. LOUIS, May 24.

Roses, Beauty, short stems	4.00@ 8 00
" " medium	10 00@20 00
" " fancy	25.00@35.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3 00@ 5 00
" Perle, Wootton	2.00@ 3.00
Carnations, common	.75@ 1.00
" fancy	1 50@ 2.00
Lily of the valley	2.00
Pæonies	3 00@ 5.00
Sweet peas	.35@ .50
Callas	6 00@ 8 00
Harrisii	6.00@ 8 00
Smilax	12.50@15.00
Adiantum	.60@ 1.00
Asparagus	15.00@50.00

MILWAUKEE, May 24.

Roses, Beauty, long per doz.	2 00@3 00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	3.00@ 4 00
Callas	8.00@15 00
Harrisii	12.50@15 00
Mignonette	2.00@ 3.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, May 24.

Roses, Beauty, fancy	20.00@25.00
" " extra	15.00@18 00
" " No. 1	10 00@12 00
" " culls	3.00@ 6 00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	2.00@ 8.00
" Perle	3.00@ 6.00
" Cusin	2.00@ 4.00
Carnations, ordinary	.50@ .75
" fancy	2 00@ 2.50
Lily of the valley	2 00@ 4 00
Harrisii	6 00@10.00
Sweet peas	.25@ 1.00
Pansies	.25@ .50
Daisies	.50@ 1.50
Mignonette	.75@ 1 50
Smilax	12 50@15 00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00

DENVER, May 23.

Roses, Beauty, select	25.00@35.00
" ordinary	8.00@15.00
" Bride, Bridesmaid	5.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	4.00@ 5.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	4.00
Callas	12 50
Harrisii	12 50
Daffodils	4.00
Sweet peas	.50@ .75
Asparagus	50.00
Smilax	20.00
Ferns	.30
Galax leaves	.20

Orchid Flowers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

Shipments made direct from greenhouses, insuring fresh and perfect blooms.

N. B. It is particularly requested that the stock here offered be not confused with similar stock offered by commission dealers at lower prices, which has been shipped from New York. Rosebank Orchids are never sold through commission dealers.

CATTLEYAS
(IN VARIETY)
$6.00 per Dozen.

500,000 FEET OF GLASS

PETER REINBERG.

Decoration Day PRICE LIST.

LARGEST GROWER OF
CUT FLOWERS
IN AMERICA.
51 Wabash Ave., CHICAGO.
Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

AMERICAN BEAUTIES.	Per Doz.
Long	$3.00 to $4.00
Medium	2.00 to 2.50
Short	1.00 to 1.50
	Per 100.
METEOR	$4.00 to $6.00
BRIDE	4.00 to 6.00
BRIDESMAID	4.00 to 6 00
PERLE	3.00 to 5.00
GOLDEN GATE	8.00 to 12.00
CARNATIONS, fancy	2.00 to 3.00
" common	1.50 to 2.00

Everything in the
CUT FLOWER
line.

WIRE WORK,
the kind
that will give satisfaction.

and a complete line of FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O.
WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

The American Florist Company's
DIRECTORY
Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.
AMERICAN FLORIST CO.,
324 Dearborn Street. Chicago, U. S. A.

SUCCESSFUL SELLERS
are the successful growers who advertise in
THE AMERICAN FLORIST.

J. B. DEAMUD,

51 WABASH AVE., CHICAGO.

PRICES FOR DECORATION DAY.

Send your order in early. We shall have an abundance of all kinds of flowers.

Headquerters for PÆONIES.

CATTLEYAS, $4.00 per Dozen.

	Per Dozen.
BEAUTIES, short	$1.00 to $1 50
" medium	2.00 to 3.00
" long	3.50 to 4.00
	Per 100
BRIDES and MAIDS	$5.00 to $6.00
METEORS	5.00 to 7.00
PERLES	3.00 to 5.00
KAISERINS	3.00 to 6.00
" very fancy	8.00
CARNATIONS, assorted	2.00 to 2.50
" fancy	3.00 to 4.00

	Per 100
PÆONIES	$5.00
LIL. HARRISII . per doz. $1.50	10.00
CALLAS " 1.50	10.00
FORGET-ME-NOT	1.50
VALLEY	$2.00 to 4.00
JASMINE, fancy	2.00 to 2.50
FERNS Per 1000 $2.00	.25
ADIANTUM	.50
SMILAX Per doz. $2.50	20.00

Prices subject to change without notice.

McKellar & Winterson's

Modern Supply House.

PLENTY OF FLOWERS FOR DECORATION DAY.

We will have good supply of ROSES, CARNATIONS, BULBOUS STOCK, PAEONIAS, LILIES, FERNS, Etc.

Also complete stock of Moss Wreaths, Cycas Wreaths, Palm Leaves, other Decorative Stock.

PLACE YOUR ORDERS WITH US EARLY.

All stock at lowest prices. Write for price list.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

BRANT & NOE, Forest Glen, Chicago, Ill.

WHOLESALE GROWERS OF **ROSES**

Ship Fresh Roses Direct from Greenhouses to Retailers. Carefully Graded. Prices Right. Try Us.

Please mention the American Florist when writing.

WEILAND & RISCH

We are large Growers and Shippers of CUT FLOWERS

ALL THE NEW VARIETIES.

YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

61 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, May 25.

Roses,	Beauty,	extra long stems	3.00
"	"	30 inch "	2.50
"	"	24 " "	2.00
"		20 " "	1.50
"	"	15 " "	1.25
"	"	12 " "	1.00
"	"	8 " "	.75
"	Bride, Bridesmaid		3.00@ 5.00
"	Perle		2.00@ 4.00
"	Meteor		4.00@ 5.00
"	La France		4.00@ 5.00
"	Golden Gate		6.00@10.00
Carnations			1.00@ 1.50
"	fancy		1.50@ 2.00
Lily of the valley			3.00@ 5.00
Mignonette			2.00@ 6.00
Narcissus			2.00@ 3.00
Harrisii			8.00@10.00
Callas			8.00@10.00
Tulips			4.00@ 6.00
Sweet peas			1.00@ 2.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			12.50@15.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST.

64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

Please mention the American Florist when writing.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

Violets

Roses

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:30 A. M. TO 10:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

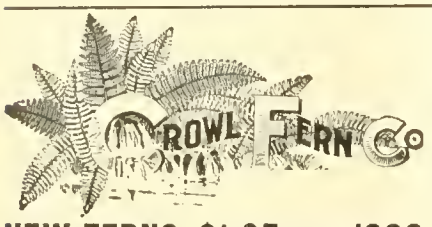
Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR



NEW FERNS, $1.25 per 1000

Order at once and be sure of your wants. Also Wreaths and Festooning of all kinds for Decoration Day. Engage your ferns now and other goods for Decoration Day and be sure of them.

CROWL FERN CO., Millington, Mass.

Wholesale Florists, JOBBERS IN FLORISTS' SUPPLIES

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

Please mention the American Florist when writing.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, May 23.

Roses, Tea	1.50@ 3.00
" " extra	4.00@ 6.00
" Beauty, extra	15.00@25.00
" " firsts	8.00@15.00
Carnations	.75@ 1.00
" fancy	1.50@ 2.50
Lily of the valley	2.00@ 4.00
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	.75@ 1.00

BOSTON, May 23.

Roses, Beauty, extra	15.00@25.00
" " medium	8.00@10.00
" " culls	2.00@ 5.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" extra	6.00@ 8.00
" Brunner	8.00@12.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	1.50@ 2.50
Daffodils	1.00@ 2.00
Tulips	.50@ 1.00
Longiflorums	3.00@ 6.00
Callas	4.00@ 6.00
Mignonette	1.00@ 2.00
Smilax	12.00@15.00
Asparagus	50.00
Hardy ferns	.25

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,

Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Woodroffe & Bernheimer,

Wholesale Florists

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

LEO. NIESSEN,

Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,

WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

ELLISON & TESSON,

Wholesale Shipping

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

HOME CROWN STOCK.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,

Wholesale Florist,

5515 Fifth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consigoments of Roses, Carnations and Violets, Solicited.

J. M. COHEN, WHOLESALE FLORIST.

FOR DECORATION DAY:

BRIDES and BRIDESMAIDS, fresh cut, $4 per 100. CARNATIONS, $3 per 100. HARDY FERNS, $2 per 1000.

CONSIGNMENTS SOLICITED. 22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
VIOLETS and LILY OF THE VALLEY.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
SUPERB VIOLETS. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

GHORMLEY & PERKINS,
Wholesale Commission **Florists,**
New and Commodious Establishment at 57 West 28th St., NEW YORK.
Prepared to handle large or small consignments of cut flowers to growers advantage
Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
.... 30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists.
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, May 23.

Roses, Beauty select	10.00@15.00
" " medium	6.00@ 8 00
" " culls	1 00@ 2.00
" Bridesmaid, Bride, Meteor	.50@ 2 00
" " " Select	4 00@ 6 00
" Jacq., Brunner	3 00@ 8 00
Carnations	.50@ .75
" fancy	1.50@ 2.00
Lily of the valley	.25@ 1 00
Yellow narcissus	.25@ .50
Mignonette	1.00@ 2.00
Sweet peas	.25@ .50
Callas	3.00@ 4.00
Harrisii	3.00@ 4.00
Cattleyas	30.00@40 00
Smilax	8.00@12 00
Asparagus	25 00@35.00
" Sprengerii, per doz. bunches	1@1.50
Adiantum	.50 .75

BUFFALO, May 24.

Roses, Beauty	15.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
" Perle, Niphetos	3 00@ 5.00
" Kaiserin	3.00@ 8.00
Carnations	1 00@ 2.00
Lily of the valley	3.00@ 4.00
Violets	.60
Mignonette	1.00@ 2.00
Sweet peas	.75@ 1 00
Daffodils	1 50@ 2.00
Dutch hyacinths	3.00@ 6 00
Harrisii	8 00
Callas	6.00@10.00
Tulips	3.00@ 4 00
Smilax	15.00@20 00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	.20@ 25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. Wholesale Florist.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

ROSES. VIOLETS.
JULIUS LANG
53 West 30th Street, NEW YORK.
CARNATIONS. VALLEY.
TELEPHONE 280 MADISON SQUARE.

There Are Buyers
For all kinds of good stock advertised in.....
THE AMERICAN FLORIST

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.
Tel. 421 Madison Squa
.....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

VISITED CHICAGO: Robert Livingston, of A. W. Livingston's Sons, Columbus, Ohio.

THE Plant Seed Co., St. Louis, reports the season better than for several years past.

PROSPECTS are bright for a good meeting of the American Seed Trade Association in Chicago June 12 to 14.

WE understand that a new seed establishment, employing 200 hands, is to be located at Paradise, Lancaster county, Pa.

ROBERT W. CLUCAS, of the firm of Clucas & Boddington Co., sailed for Europe May 19 per S. S. Etruria for an extended business trip, and incidentally to see the Paris Exposition.

SOUTH FRANCE, May 5.—The drought of the past sixty days has been very severe on the seed crops. Unless we have rain before the end of the month a great part of the carrots, beets, sweet peas, etc., will be destroyed.

FIFIELD, MICH.—The seed house of Harry N. Hammond was destroyed by fire May 20. The loss is estimated at $35,000; insurance, $18,000. Insurance to the amount of $18,000 was canceled two weeks previous to the fire, the origin of which is unknown. Hammond will rebuild.

ERFURT, May 8.—So far the weather has not been favorable for field work. Winter set in about the middle of September with heavy snow and sharp frost which remained with little change until the beginning of April. The weather then became extremely hot and for this reason but little has been planted, much of that planted perishing.

Free Seeds Not Enough.

A western congressman recently received the following note from one of his rural constituents to whom he had sent a consignment of garden seed: "Kind sir and esteemed friend, I have the seeds, They came this morning and suit very well. specially the cabbage seed which grows well in this soil. please send me two loads of fertiliser and a new harrer and if you could send me a man for a couple of days I would be obliged. With this help I know the garden stuff will turn out al rite and I will send some to you and the president. Your grateful well wisher and Supportre." — *Newspaper Clipping.*

WANTED.

Experienced seedsman to take full charge of vegetable and flower seed department of western seed house. Good salary and position for right man. Must be able to furnish first-class references. Address immediately, giving full particulars,

"Western," care Am. Florist, Chicago, Ill.

GIVE US YOUR ORDER FOR

Asparagus Sprengerii

All Asparagus is good, but Asparagus Sprengerii is the best.

We send post free through U. S. A., 1000 Seeds of Asparagus Sprengerii for $3. Cash with order.

GROENEWEGEN & CO., Wholesale Seed Growers, AMSTERDAM, HOLLAND.

SEASONABLE SEEDS, PLANTS & BULBS.

Tuberoses, No. 2 Double Pearl, Fine Bulbs, 30c per 100, $2 50 per 1000.
Canna Robusta Perfecta, fine, large Bulbs, 60c per dozen, $4.00 per 100.
Oxalis, Summer Flowering, 7c per dozen, 15c per 100, $1.00 per 1000.
Begonia Rex Plants, named sorts in 2½-in. pots, just ready for a shift; $5.00 per 100.
Calceolaria, James' Giant; per packet, 25c.
Mignonette, Allen's Defiance; large trade packet, 20c., per oz., 75c.
Primula, Johnson & Stokes' Prize Mixed, 25c per 100 seeds.
Pansy, Johnson & Stokes' Kingly Collection, comprising Bugnot, Cassier, Trimardeau, etc.; 1000 seeds, 25c.; per oz., $5.00.
Write for quotations on Roman Hyacinths, Narcissus (Paper White) and Dutch Bulbs.

JOHNSON & STOKES, 217-219 Market St. Philadelphia.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

One Minute With You Please!

If you have not already contracted for your wants in the line of

FORCING BULBS

for next season do not fail to get our

Import Price List.

JUST ISSUED.

A postal card will start it, and you will find therein many things of interest.

VAUGHAN'S SEED STORE,

CHICAGO: 84-86 Randolph Street. **NEW YORK:** 14 Barclay Street.

ROEMER'S Superb Prize Pansies

The finest strain of Pansies in the World.....

INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award Inter. Exhibition at Hamburg, 1897. Catalogue free on application.

Fred. Roemer,

Seed Grower, QUEDLINBURG, GERMANY.

Please mention the American Florist when writing.

August Rölker & Sons

Supply the Trade with

SEEDS, BULBS and SUPPLIES

in best quality, at reasonable cost. Address

52 Dey St, New York.

Please mention the American Florist when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

Florists are invited to send for our quotations on

FORCING BULBS,
ROMAN HYACINTHS,
LILIUM HARRISII,
LILIUM LONGIFLORUM,
Etc., Etc.

We are large importers of HIGH CLASS BULBS.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple each	.25	.75

Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address

H. H. BERGER & CO., (Est. '78) **47 Barclay St., N.Y.**

Order now your Bulbs while you can make money with

Paper White Narcissus Grandiflora,

EXTRA, $4.00 per 1000,

free Marseilles. Packing free. 1st Dec. settlement. Very low prices on application for ROMAN HYACINTHS and other French Bulbs for forcing.

A. BERNARD, Grower and Exporter,

Cannes, Var, France.

CAPE JASMINES, $1.50 to $2.00 per 100. ADIANTUM, 60 cents per 100, 500 for $2.00.

CAPE JASMINES, $1.50 to $2.00 per 100. ADIANTUM, 60 cents per 100; 500 for $2.00.

KENNICOTT BROS. CO.

WHOLESALE COMMISSION FLORISTS

And Dealers in All Kinds of

Florists' Supplies.

42 and 44 E. Randolph St., CHICAGO, ILL.

Address all mail or telegrams direct to the firm to insure promptness.

PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

	Per 100
Am. Beauties, short	$ 8.00 to $10.00
Am. Beauties, medium	15.00 to 18.00
Am. Beauties, fancy, fair length	20.00 to 25.00
Am. Beauties, long	35.00 to 40.00
Meteors, extra select	6.00 to 8.00
Brides, Maids, extra select	6.00 to 8.00
Meteors, Bride, Maids, good average	5.00 to 6.00
Perles, extra select	5.00
Carnations, special fancy varieties	3.00 to 4.00
Carnations, good average	2.00 to 2.50
Paeonias	5.00
Valley	2.50 to 4.00
Smilax	16.00 to 20.00
Harrisii	10.00 to 12.50
Cape Jasmine	1.50 to 2.00
Daisy, Forget-me-not	1.00 to 1.50
Adiantum	500 for $2.00 .60
Asparagus	per string 50c
Galax	per 1000, $1.50 .20
Common Ferns	per 1000, 2.00 .25

Common Ferns and Galax, 500 sold at 1000 rate.
5000 Common Ferns, $7.50.

All Flowers in Season at lowest market rates.

Store open until 6:30 p. m. week days, until noon Sundays and holidays.

We always ship extra select or high-grade goods unless otherwise ordered.

WE HAVE arranged with the largest growers of CAPE JASAMINE GRANDIFLORA for a big supply. Don't get fooled and buy the common kind.

We have more than 1000 dozen Paeonies, and will try to have a full line of everything of as good as can be had.

The past hot weather with the sudden change to cold has mildewed some of the rose stock.

We will also have plenty of Adiantum, Smilax, Common Ferns, Daisies, Valley, Harrisii, Carnations, in fact, as usual, if anything is on the market, we will have it and at the Chicago market price at time of shipment.

Get your order in. First come, first served.

VIOLET RUNNERS, Swanley White, Lady Campbell, $6.00 per hundred.

PÆONIES, pink and white, $5.00 per 100.

DECORATION DAY

CAPE JASMINES, $1.50 to $2.00 per 100. ADIANTUM, 60 cents per 100; 500 for $2.00.

CHRYSANTHEMUMS

Bessie Burton, Bonnaffon, Cullingsfordii, Glory of Pacific, Ivory, J. H. Woodford, Minerva, Mme. F. Bergmann, Mrs. John J. Glessner, Modesto, Mrs. S. T. Murdock, Mrs. O. P. Bassett, Niveus, Rose Owen, The Queen, Mrs. J. C. Whilldin, Miss Minnie Wanamaker

And others from 2½-in. pots, $2 per 100, $15 per 1000.

HARDY POMPON CHRYSANTHEMUMS

10 named varieties, 2½-in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100, $7.50 per 1000. "Cash with order."

R. VINCENT JR. & SON, White Marsh, Md

WE ARE BOOKING ORDERS NOW FOR THE NEW CROP.

FANCY AND DAGGER FERNS.

Will begin shipping first week in May.

Price, $1.00 per 1000.

Special discounts to the wholesale trade. Write or telegraph us.

Caldwell the Woodsman Co., Inc., Evergreen, Ala.

Large-flowered Clematis, from 5-inch pots; best purple white and lavender sorts, at 18c.; packing free. These are fine, healthy plants of this beautiful flower, that I can guarantee to grow—in fact, I will replace free of charge, any that fail to do so.

W. H. SALTER, Rochester, N. Y.

10,000 EXCELLENT stocky 4-in. Latanias

ready for shifting, $20 per 100; $190 per 1000.

WALTER RETZER & CO. Successors to ALBERT FUCHS.

2045-59 Clarendon Avenue, CHICAGO.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3.00 a 100, $25.00 a 1000.

J. B. HEISS,

The Exotic Nurseries. DAYTON, O.

READY FOR THE FIELD.

LARGE Stock of **CARNATIONS** FROM SOIL.

Write for prices on what you want.

Geo. Hancock & Son, Grand Haven, Mich.

BOSTON FERN A SPECIALTY.

$5.00 per 100; $40.00 per 1000.
Large plants from $20 to $50 per 100.
Cut from bench.

Salleroi Geranium, Coleus, Alternanthera.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Strong Plants

Brides, Bridesmaids, in 2½-in. pots; American Beauties in 3½-in. pots. All good, strong, healthy Stock; will sell them very cheap for cash.

T. O'CONNOR,

Blackstone Blvd. PROVIDENCE, R. I

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

PROF. S. W. FLETCHER, of Cornell University, in his experiments at crossing, has found that blossoms covered with manila sacks seldom develop perfect fruit. He recommends cheese cloth sacks.

R. DOUGLAS'S SONS, of Waukegan, Ill., who have one of the largest collections of evergreens in the country, have presented Prof. John Craig with a number of specimens of varieties lacking in the collection on the grounds of the Iowa Agricultural College at Ames.

Japanese Maples.

At the close of May there are no more attractive shrubs on the lawn than the Japanese maples, and especially is this true of two of them, the old blood-leaved Acer polymorphum atropurpureum, and the cut-leaved purple, A. polymorphum dissectum atropurpureum. These are both "blood-leaved" and make a grand display for several weeks, after which there is less depth of color, but still enough the whole season through to make them worthy of their name.

Looking at some of these plants to-day I was reminded of how long it takes for many plants to become appreciated. These maples are to-day but fairly well known, yet, to my knowledge, they have been in at least one nursery in this country for over thirty-five years. About Philadelphia they are well distributed, and they are much prized, as they present a mass of color on the lawn when but little else is obtainable in the same line. Rhododendrons flower about the time the maples are in good display, but there are but few of them of the same rich red color.

The two sorts named above are the best for dark red foliage. The green-leaved variety will be required in a collection, as its leaves are finer than the fern-leaved beech. The leaves of A. Japonicum aureum are divided but little. The color is greenish yellow at first, deepening as the season advances until finally of a rich golden hue. A. reticulatum is green and white, not an attractive sort when by itself, but having a place when a group of different sorts is being formed. A. ampelopsilobum and A. cristatum are of a deep bronze green and are very handsome either by themselves or planted with others.

There are various other sorts all having some merit, but the one for the nurseryman and the florist to look to for the best result is the common blood-leaved variety. It took a good while for nurserymen to get up a good stock of this sort, but by layering and grafting it is now increased more rapidly, bringing the possession of them within the means of all that own a garden.

These maples are not difficult to transplant, even after having pushed into growth in spring. But it will be found to pay those who have them to sell to pot a few in the fall or early spring, fall preferably, to fill late orders for them. To many persons they are unknown, and it is only after the plants are full of fresh foliage that they are seen and desired, and then it is that the pot plant sells. A moderately shaded place on the lawn suits these plants, though they do very well in the full sun, especially if the roots are kept cool by being in grass or by being mulched. JOSEPH MEEHAN.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Please mention the American Florist when writing.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

Ampelopsis Veitchii
DORMANT PLANTS.

Extra strong and heavy,
3 feet at $15.00 per 100.
2 feet at $10.00 per 100.

Vaughan's Seed Store
84 and 86 Randolph St., CHICAGO.

ROSE PLANTS Good, Healthy Stock.

BRIDESMAIDS, KAISERINS	3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES	2½-in., $3 per 100, $25 per 1000.

Cash With Order.

Martin A. Magnuson,
3309 N. Western Ave., CHICAGO, ILL.
Please mention the American Florist when writing.

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. NORWOOD NURSERIES,
Rea Brothers. NORWOOD, MASS.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

ROSES AND GERANIUMS

Pres. Carnot, 2½ and 3-in. pots, $4.00 and $6.00 per 100. American Beauties, 3-inch pots, $6.00 per 100, $55.00 per 1000. Wootton, 3-inch pots, $5.00 per 100. Geraniums in flower from 4-inch pots, mixed varieties and Queen of the West, $7.00 per 100.

Marguerite Carnations, (white); Corn Flower, (lilac and blue); Gaillardia, (single); and Oriental Poppies, the above at $4.00 per 100.

ROBERT F. TESSON, West Forest Park, St. Louis.

SMILAX.

From flats, by mail.....50c per 100; $4.00 per 1000
" " 2-inch.....$1.50 " $13.00 "
Hydrangeas, 5-inch pots.....$3.00 per doz.
" 4-inch pots..... 2.00 "
" Rooted cuttings, $1.25 per 100; $10 per 1000
Large flowering Canna roots.....$1.00 per 100
Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

LOW PRICES on BULBS & PLANTS

Amaryllis Equestre. $4 per 100; A. Formosissima, $3; A. Johnsoni, $15; A. Vittata, $20. **Anemones** for fall blooming, $1. **Begonias,** single, $2.50; double, $4. **Callas.** Spotted, $2; Little Gem $2.50. Fragrance $10, Yellow $25, Black $10. **Caladium Esculentum** 5 to 7 $2, 7 to 9 $4, 9 to 12 $7. **Cannas,** mixed, $1.50; named, $2 up. **Crinums,** $7. **Dahlias,** mixed, or to color, $4; fine named sorts. Cactus or others, $5 per 100. **Gladioli,** 2d size, $4 per 1000. **Gloxinias,** $3. **Hyacinthus Candicans,** 50c to $1. **Iris Germanica,** $1.50. **Ipomœa Pandurata.** $3. I. Mexicana, monsters, $30. **Lilium Aurat m.** $5. L. Album, $6; L. Superbum, small, $1.25. **Maderia Vine** 60c. **Montbretias** $1 **Oxalis** $1 per 1000. **Tigridias** $1.50. **Tuberoses,** 1st size 75c, 2d size 30c. Milla, Bessera, Cyclob, $1 per 100.

PLANTS. Asparagus Sprengeri, $3.50 to $20. Astilbe Chinensoe new, fine, $10. Begonia Duke Zeppelin, $10. Hibiscus new sorts, $10. Lace Fern, $5. Baby Primrose, $2.50. 2 new Salvias, $8. Tropæolum Phœbe, $6. The Edelweiss, soon to blooom, $6. Myosotis Sutton's Gems in bud, 3 colors, white, blue, pink, $4 per 100. The Hardy Chinese Begonia, sweet sceuted pink flowers, leaves olive aud red; 8 by 10 iuches!! grand, $6 per 100. New Begonia Gracilis, finest pink bedder, $6 per 100. Japan Morning Glory Seed, finest strain, $1 per lb., 10c per oz. Not less than 25 of any kind at 100 rates.

A. BLANC & CO., Philadelphia, Pa.
Please mention the American Florist when writing.

HARDY ROSES

Strong two-year-old plants, in all the best varieties.

Hollyhocks, Phlox, Paeonies,
Pyrethrums, Pansies,
Specialties.

SEND FOR CATALOGUE.

M. H. WALSH
Gardener to the late Mr. Jos S Fay. Woods Holl, Mass.

Roses Extra Strong stock from 2½-inch pots.

Splendid assortment of hardy sorts.
Send for price list.

JACKSON & PERKINS CO., NEWARK, NEW YORK

A FINE, HEALTHY LOT OF
Meteors
From 2-inch pots, ready to shift,
$2.50 PER 100.

T. E. BARTRAM, Lansdowne, Pa.

ACALYPHA SANDERI
3½-inch pots, $8.00 per 100.

BOSTON FERN
$5.00 per 100.

The CONARD & JONES COMPANY.
West Grove, Pa.
Please mention the American Florist when writing.

Decoration Day Price List.

ROSES.

Beauties, long	per doz,	$4.00—
" medium	"	2.50—
" short	"	1.00— $1.50
Brides and Maids	per 100,	5.00— 6.00
Meteor	"	5.00— 7.00
Perles	"	4.00— 5.00
Roses, seconds	"	3.00—

CARNATIONS.

Standard sorts, select	per 100,	$2.00—
Fancy,	"	3.00

MISCELLANEOUS.

Paonies	per doz.,	$ .75— 1.00
Harrisii	$10.00 per 100,	" 1.25
Callas		" 1.50—
Mignonette		" .25—
Forget-Me-Nots, $2.00 per 100,		" .25—
Valley	per 100,	3.00— 5.00
Sweet Peas		" .60— 1.00
" white		" 1.00—
Marguerites		" .60— .75
Cape Jasmines		" 2.00— 3.00
Pansies		" .50—
Cornflower		" .75— 1.00

DECORATIVE.

Asparagus	per string,	$ .50— .75
Galax, green and bronze, per 1000, $1.50	per 100,	.20
Ferns	$2.00 per 1000.	" .25
Ferns, Maiden Hair, choice		" .75— 1.00
Smilax	per dozen,	2.00— 2.40

Extra select and inferior qualities charged for according to value.

☞Choice stock will always be shipped, when procurable, unless otherwise ordered.

E. C. AMLING

WHOLESALE CUT FLOWERS

32-34-36 Randolph St., CHICAGO.

WALTER S. HEFFRON, MGR.

Quotations are subject to change without notice. Regardless of prices quoted all stock will be billed at lowest market rates.

ALL SEASONABLE FLOWERS. "P. & D." AT COST.

Use the Code.

Carnations our Specialty

We are Chicago Sales Agents for E. G. Hill & Co.'s Choice Flowers.

LAKEVIEW ROSE GARDENS,

Wholesale Growers,

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR

Cut Flowers.

Latania Borbonica.

Extra fine stock from 4-in. pots, 2 to 3 character leaves, for immediate sale or shifting on, **$20 per 100.** 25 at 100 rate.

CAN SHIP SAFELY BY FREIGHT.
SATISFACTION GUARANTEED.

CASH WITH ORDER, PLEASE.

CRITCHELL'S.

B. P. CRITCHELL, Mgr. CINCINNATI, O.

SHIPPING LABELS FOR

....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,

CHICAGO.

GALAX FOR DECORATION DAY

Order Quick.

Case A, 5000 assorted leaves.....$6.00
Case B, 5000 assorted and 200 sprays. 8.00
Single thousand..... 2.00

HARLAN P. KELSEY,
Tremont Bldg. BOSTON, MASS.

EXPRESS SHIPMENTS ONLY.

Fine Plants.

		Per 100
GERANIUMS	12 vars., 2½-in. pots	$2.75
	" 3-in. pots	3.75
Centaurea Gymnocarpa, 2-in. pots		2.00
Smilax, 2-in. pots	1000, $8.00	1.00
ASPARAGUS	Sprengerii, 2-inch pot	3.00
	Plumosus Nanus	4.00
Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea		2.00

—CASH PLEASE—

JOS. H. CUNNINGHAM

DELAWARE, O.

We've thousands of readers and hundreds of advertisers. Each helps the other.

BAY TREES
AZALEAS
ACACIAS
FERNS
FICUS
PALMS.

Begonia Gloire de Lorraine

EDGAR,

Write for prices. WAVERLEY, MASS.

Please mention the American Florist when writing.

It is good business policy to mention the

....American Florist

when you write to an advertiser

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Denver.

The following are the scores made on Tuesday, May 15:

Player	1st	2d	3d	Av
Scott	236	210	187	211
Mauff		195	163	179
Bloy	160	189	187	178
Berry	162	147	199	169
Applegate	138	135	190	154
Valentine	105	186	166	152

P. S.

At New York.

Scores made on the bowling alleys on Monday evening, May 21, were as follows:

Player	1st	2d	3d
Traendly	142	147	130
Hafner	162	132	125
O'Mara	146	134	88
Burns	100	126	122
T. J. Lang	181	153	164
Roehrs	163	137	123
Marshall	116	141	111
Von Asch	95	93	144
Thielmann	133	151	165

At Flatbush.

There was a very jolly time at the bowling alleys on Thursday evening, May 17. Louis Schmutz showed the boys how to roll championship scores:

Player	1st	2d	3d
Raynor	138	109	115
Riley	137	148	156
Wocker	126	118	101
H. Dailledouze	109	103	115
A. Zeller		122	124
Woerner	129	121	144
P. Dailledouze	110	137	108
Themey	109	110	113
Schmutz	140	177	182

At Chicago.

Last Friday night John Degnan and Phil Hauswirth settled their little affair, the total score for the ten games standing 1672 for Degnan and 1499 for Hauswirth. Degnan made a high game record with 245. During the evening other games were rolled as follows:

Player	1st	2d	3d	4th
W. Kreitling	132	137	138	177
John Zeck	143	121		
Ed. Hauswirth	137	95	119	121
A. Ellison	137	120	186	121
John Degnan		212		
P. J. Hauswirth		137		

Pastimes at Quakertown.

A new club has been formed among the Philadelphia bowlers. The "Friday-Nighters" is the name of the new organization; a new president is elected every week; it seems a sort of South American way of doing but is said to work all right. Large or small scores are all the same to these sixth-day bowlers, their object being to have a good time. They selected an off night on the alleys so as not to be disturbed. G. C. Watson is the Chief Mogul and says their Friday night seances are simply "out of sight."

The struggle for place on the New York team goes on merrily. Anderson put up an average of 168 in four games last Tuesday and the other top-notchers are not far behind him. The two-man team handicap tournament will start soon and some fine rolling is expected.

Anderson won first place in the gun club's tournament of last Tuesday at the Wissinoming grounds, for the Westcott medal, breaking twenty-four targets out of twenty-five at known and unknown angles and sixteen doubles out of twenty.

K.

Florists' Rules for Bowling.

Keep your ball well toward the center,
Rather slightly to the right,
Over twixt the first and second,
Ever keep this well in sight.
Send it down with force and judgment,
Curve it slightly if you can;
Have your mind set on the game, and
Each man strive to beat his man.
Lay aside your jokes and stories;
Lay away all kinds of cares,
Banish all your thoughts of flowers
Only think of "strikes and spares."
In shirt sleeves and bowling slippers,
Live a life of youth and mirth,
Ending then the game you'l vouchsafe,
"Rolling beats all games on earth."

New Orleans.

CUT FLOWER TRADE DULL BECAUSE OF SUMMER.—GREAT PROFUSION OF OUTDOOR BLOOMS.—DOINGS OF THE HORTICULTURAL SOCIETY.

Summer and the dull season travel hand in hand and arrived together. Not in many years have our gardens been adorned with such a profusion of bloom and of course it kills the trade in most lines of cut flowers. It seems that the roses have been particularly luxuriant with bloom, Marie Henriette excelling all others to such an extent as to nearly conceal the foliage. With all this wealth of flowers the sale of plants this spring has been heavy and prices have been profitable, particularly for good stock. The prospects are for a brisk business for some weeks, the demand turning particularly to roses.

At the May meeting of our horticultural society we were able to bestow two medals upon members as rewards for their displays at the State Fair. The one for commercial florists was awarded to E. Valdejo and the one for gardeners to Harry Papworth. They were well earned and their receipt was followed by refreshments of both a liquid and satisfying nature.

A committee has been appointed to make arrangements for the celebration of the approaching anniversary of the society. The organization is on a firm financial footing and can afford to give its members a good time.

M. M. L.

Orange, N. J.

The distribution of 5,000 chrysanthemum plants to the public school children of the Oranges and Montclair took place on May 18. Besides these, 1000 salvias were distributed, having been donated by W. A. Manda, of South Orange. The plants distributed were donated by John N. May, W. A. Manda, Peter Duff, Malcolm MacRorie, George Smith, John Hayes, Popkin & Collins, A. D. Rose, J. C. Williams and John McGowan. A neat manual containing instructions on the care of chrysanthemums and suggestions for the beautifying of city dooryards was given out with the plants. The committee having the matter in charge was J. B. Davis, John Hayes and J. C. Williams. The committee, with the assistance of Malcolm MacRorie, divided the field and made a personal distribution of the plants among the school buildings. The area contains twenty-four school houses, which were visited.

HUNTINGTON, W. VA.—Miss Amanda Martin, who has a flower store on Ninth street, has been called to her old home at Racine, O., by the death of her father.

Kennicott Bros. Co.

CHICAGO, May 26, 1900.

TO THE TRADE:

The Kennicott Bros. Company has done all that was possible in the way of making arrangements for a full supply of stock to meet your wants for **Decoration Day**, as we know it to be the largest day of the year; last year our Decoration Day business made a **new record** for us for one day's sales.

Knowing that trade has been better all along than it was a year ago, we have made arrangements, for meeting every possible demand. We have put aside plenty of **Pæonies**, more than 1000 dozen, and shall have the stock of one of **the largest shippers of Jasmine buds**, the grandiflora, at least 35,000, possibly 50,000. **Our regular shippers** are being notified of our needs and will, as usual, do all in their power to place the stock in our store in the **best possible shape** that this season of the year will allow, and we therefore expect to **outdo our record** day of last year.

It pays to buy of the **Kennicott Bros. Company**, as you can feel safe; **sure** of getting your order filled, and **filled right.** Regardless of what others say or advertise, our standard and motto is:

Buyers get the Chicago market price at time of shipment from the oldest, largest and most reliable cut flower commission house in the west.

Stock for **Decoration Day** will consist of plenty of common ferns, Adiantums, Harrisii, roses, carnations, daisies, some tulips, also asparagus and smilax, besides pæonies, jasmine buds and all other items of seasonable material.

Our price list appears on page 1335, of this issue, subject to change without notice, for of course we can't see into the future and, as above stated, all buyers will, and always do, get the **Chicago market price**, day of shipment, the same as though they bought over the counter. **The best** is always the cheapest and if you buy it of "K. Bros. Co." it is as good as is to be had.

Yours respectfully,

KENNICOTT BROS. CO.

FLINT KENNICOTT, Pres. ED. E. PIESER, Treas.
G. H. PIESER, Sec'y. R. R. JAMPOLIS, Atty.

Don't Let Anyone Owe You.

Ship to us and get the market rate and the cash each week.

VIOLET RUNNERS.

Swanley White. Lady Campbell.

The best of stock, $6 per 1000.

KENNICOTT BROS. CO.,

42-44 Randolph Street,

CHICAGO.

Last Chance TO GET STOCK Cheap

ROSES! ROSES! ROSES!

We make the growing of Roses a specialty, and carry an immense stock of them. Our aim is to give value for value.

The following varieties at $2.00 per 100, $17.50 per 1000: 25 at 100 rates, 100 at 1000 rates, or 30c per doz.

Augustine Halem
Aline Sisley
Antoine Verdier
Adam
Anna Ollivier
Archduke Charles
America
Alister Stella Gray
Bertha Clavel
Bridesmaid
Bougere
Baltimore Belle
Bennett's Seedling
Caroline Marniesse
Christine de Noue
Climbing LaFrance
Crown Princess Victoria
Clothilde Soupert
Catherine Mermet
Comtesse de Frigneuse
Cornelia Cook
Chas. Legrady
Claire Carnot
Coquette de Lyon
Comtesse Riza Du Parc
Duchess of Albany
Devoniensis
Dr. Grill
Duchess de Brabant
Empress Eugenie
Empress of China
Enchantress
Etoile de Lyon
Golden Gate
Gen. Tartas
Gen. R. E. Lee
Golden Chain
Henry M. Stanley
Helen Cambier
Isabella Sprunt
Joseph Metral
Jules Finger
La France
Letty Coles
La Princesse Vera
Louis Phillipe
Louis Richard
Mme. de Watteville
Mme. Hoste
Mme. Lambard
Mme. Pernet Ducher
Mme. Welche
Mme. Abel de Chatney
Mme. Eli Lambert
Mme. Schwaller
Mme. Scipion Cochet
Mme. C. Kuster
Mme. Margottin
Mme. Pauline Labonte
Mme. Jure
Mme. de St. Joseph
Mlle. C. Berthod
Mlle. F. Kruger
Marie Van Houtte
Meteor
Media
Maman Cochet
Muriel Grabam
Marie Guillot
Maurice Rouvier
Marechal Robert
Monsieur Furtado
Marie Ducher
Mosella
Marechal Niel
Perle des Jardins
Princess Venosa
Pink Rambler
Ophelia
Queens Scarlet
Reine Olga de Wurtemburg
Mrs. Robt. Garrett
Royal Cluster
Reine M. Henriette
Safrano
Souv. de un Ami
Snowflake
Sombreuil
Souv. de la Malmaison
Souv. de Pres. Carnot
Souv. de C. Guillot
Souv. de Mme. E. Verdier
Striped LaFrance
The Queen
The Bride
Triomphe de Pernet pere
Viscomtesse de Wautier
White Daily
White Rambler
White La France
W. A. Richardson
Yellow Rambler.

NEWER ROSES.

	Per doz.	Per 100
Admiral Dewey	$1.50	
Baldwin	1.00	$7.00
Bardon Job	.60	4.00
Climbing Bridesmaid	.75	4.00
Climbing Paul Neyron	.60	4.00
Ferdinand Jamain	.60	4.00
Helene, the new Rambler	.60	4.00
Mrs. Robt. Peary, or Climbing Kaiserin	.60	4.00
Maid of Honor	.60	4.00

MANDA'S NEW EVERGREEN MEMORIAL ROSES.

Jersey Beauty	per dozen, $0.75;	per 100, $5.00			
Evergreen Gem	" .75	" 5.00			
Gardenia	" .75	" 5.00			
Memorial, or Wichuraiana	" .40	" 2.50;	1000,	$20.00	
Manda's Triumph	" .40	" 2.50	"	20.00	
Universal Favorite	" .40	" 2.50	"	20 00	
South Orange Perfection,	" .40	" 2.50	"	20 00	
Pink Roamer	" .40	" 2.50	"	20 00	
Mrs. Lovett	" .40	" 2.50	"	20.00	
Rosa Wichuraiana	" .40	" 2.50	"	20 00	

LAST CALL! LAST CALL!

We also offer choice stock of the following plants. All plants are from 2½-inch pots unless otherwise mentioned.

	Per doz.	Per 100
Abutilons, 6 leading sorts	$0.30	$2.00
Aloysia Citriodora, Lemon Verbena	.25	1.50
Achania Malvaviscus	.25	1.50
Apple Geranium	.40	2.50
Ampelopsis Veitchii, Boston Ivy	.40	2.50
Abelia Rupestris	.40	
Agathæa Coelestis, the blue Marguerite	.30	2.00
Ageratum, 3 kinds, Princess Pauline, blue, white and variegated	.25	1.50
Asparagus Sprengerii	.30	2.00
Anemone Whirlwind	.30	2.00
Antigonon Leptopus, or Mountain Beauty	.40	2.50
Araucaria Excelsa, five or six tiers	$1.00 each,	9.00
Alyssum, double sweet	.25	2.00
Aspidistra Lurida	.60	4.00
Acalypha Sanderi	.75	
Amaryllis Equestre	.75	5.00
Blue Spiræa (Caryopteris Mastacanthus)	.40	2.50
Begonias, flowering, 8 varieties	.40	3.00
Cyperus Alterofolius, Umbrella Plant	.25	1.50
Cestrum, night blooming Jasmine	.25	2.00
Cryptomeria Japonica, Japan Cedar	.40	2.50
Caladium Esculentum, fine bulbs	.40	3.00
Carnations, leading sorts	.30	2.00
Chrysanthemums, leading varieties	.25	2.00
Cereus Grandiflorus, The Queen of Night Cactus	.30	2.00
Campylobotrys Regia	.40	2.50
Coleus, leading sorts	.30	2.00
Camellias, 18 to 24-in. high, well branched	.50c each,	5.00 40 00
Calla Ethiopica, fine bulbs	.50	3.50
Calla Little Gem, blooms when 6 inches high	.40	3.00
Carex Japonica Variegata	.30	2.00
Cyclamen Giganteum	.30	2.00
Crinum, milk and wine lily	.75	
Crotons, 10 leading sorts	.40	2.50
Dracæna Indivisa	30	2.00
Ficus Elastica, India Rubber Tree	3.00	20.00
Fuchsias, all the best varieties, including double and single	.25	1.50
Ferns, Nephrolepis Cordata Compacta	.40	2.50
" " Exaltata	.40	2.50
" " Pectinata, dwarf sword fern	.40	2.50
" Lygodium Scandens, climbing fern	.40	3.00
Genista Canariensis	.30	2.00
Grevillea Robusta	.25	2.00
Hydrangeas, Otaksa, Hortensia, Monstrosa and Thos. Hogg	.40	2.50
Honeysuckles, Chinese Evergreen, red coral	.40	2.50
Halleana and Golden Leaved	.30	2.00
Helleborus, or Christmas Rose	.75	
Hibiscus, 10 leading sorts, including Cooperii Tricolor,	.30	2.00
Ivy, German	$0.25	$1.50
Ivy, English	.40	3.00
Impatiens Sultani	.25	2.50
Jasminum Gracillimum	.40	2.50
" Grandiflorum	.40	2.50
" Grand Duke	.50	3.00
Justicia, two kinds	.30	2.00
Laurestinus	.50	3.50
Lantanas, leading sorts	.30	2.00
Lantana, Weeping	.25	1.50
Lemon of Sicily	.40	2.50
Linum Trigynum	.20	2.00
Lily of the Valley pips	.20	1.25
Matrimony Vine	.30	2.00
Meyenia Erecta, two kinds, white and blue	.30	2.00
Mahernia Odorata, Honey Bells	.30	2.00
Myrtus Communis, sweet scented foliage	.40	2.50
Nierembergia	.25	2 00
Orange, Otaheite	.30	2.00
Orange, Otaheite, 3-inch pots	.50	4.00
Oleanders, double pink, yellow and white	.50	4.00
Olea Fragrans	1.50	
Pomegranates	.30	2.00
Primrose, Chinese	.40	2.50
Primula Obconica	.40	2.50
Primula Forbesii, Baby Primrose	.30	2.00
Pittosporum Tobira, 3-inch pots	.75	
Plumbago, Lady Larpent, hardy	.40	2.50
" Sanguinea	.40	2.50
Passiflora, Constance Elliott, hardy	.40	2.50
Phlox, hardy perennial, choice assortment	.40	3.00
Palm, Latania Borbonica, 2½-inch	.50	4.00
" " " 3 " fine plants	1.00	8.00
" Phœnix Reclinata, 3-inch	1.00	8.00
" " Canariensis, 2½-inch	.50	3.50
" Livistona Rotundifolia, 3-inch	2.00	
" Areca Lutescens, 2½-inch pots	.50	4.00
" Washingtoöia Filifera, 2½-inch pots	.25	1.50
Rhyncospermum Jasmineoides	.40	2.50
Rhododendron, 2 colors, crimson and pink, 75c each,	7.00	
Russelia Juncea	.40	2.50
Smilax	.25	1.50
Stapelia	.30	2.00
Swainsonia, pink and white	.30	2.00
Strobilanthes, or Royal Purple	.30	2.00
Salvia Splendens	.30	2.00
Sanseviera Zeylanica	.30	2.00
Selaginella Emelliana	.30	2.00
Vinca Variegata	.30	2.00
Violets, California hardy Russian and Lady Hume	.40	2.50
Verbenas	.30	2.00

THE GOOD & REESE CO., SPRINGFIELD, ...OHIO.

Omaha.

TRADE IS VERY GOOD AND PROSPERITY LEADS TO MUCH BUILDING.—NOTES OF MANY DOINGS.

The members of the trade in Omaha are all enjoying the high tide of prosperity. Business was never better than last winter and even now, when cut flowers are unusually plentiful, there is no surplus. Bedding plants have sold at a great rate since spring arrived and stock is already becoming scarce. The result of all this business is that nearly every one is planning to improve his facilities, either by building new houses or remodeling old ones.

Over at Council Bluffs J. F. Wilcox is putting up the largest addition in the west. A. Donaghue is preparing to rebuild a lot of his glass and put up several new houses. Lewis Henderson is rebuilding and adding one house. Peterson Bros. will build a house 20x100. Hess & Swoboda are rebuilding a house 18x80 and adding a palm house 14x100.

L. Henderson is rejoicing over the advent of a baby boy in his family and says the youngster is a mascot and has brought a boom to his business.

Charles Stewart, formerly of Chicago, has taken charge of the cut flower department of his brother, S. Stewart.

Arnold Ringier was in town last week and reports good business. GRIPPE.

There's a new crop of sweet Graduates each year.

There are some of them in your neighborhood.

Show their friends some of our new Graduation Baskets.

They are up-to-date, salable and low-priced.

You can sell them in large numbers by just showing them.

Send for special price list on these and all other seasonable florists' supplies.

Double your bank account in June. It's easy enough if you buy liberally from

H. BAYERSDORFER & CO.

50-56 N. Fourth St.,

PHILADELPHIA, PA.

CARNATION ....CUTTINGS.

	Per 100	Per 1000
McGOWAN	$ .75	$5.00
PINGREE	.75	5.00
SCOTT	1.00	7.50
FLORA HILL	1.25	10.00

ROSE PLANTS

from 2½-inch pots.	Per 100	Per 1000
METEOR	$3 00	$25.00
BRIDESMAID	3 00	25.00
BRIDE	3.00	25.00
LA FRANCE	3.50	30.00
AMERICAN BEAUTY Rose Bushes	2.50	20.00
LA FRANCE, lifted from benches	2.50	20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

GRAFTED KAISERIN AND CARNOT

GILT-EDGE STOCK.

☞ Plant NOW for summer bloom.

ROBERT SIMPSON, Clifton, N. J.

Please mention the American Florist when writing.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N.Y.

IVORY 'MUMS

Fine stock, 2½-inch, $2.00 per 100. $17.50 per 1000.

Set of 15 GERANIUM novelties, including one America, $2.00; worth $4.00.

HENRY EICHHOLZ, Florist,

CASH PLEASE. Waynesboro, Pa.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McGowen	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

Ethel Crocker

30,000 plants from soil for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50 100 for $10.00; 250 for $18.75; 000 for $75.00.

PANSIES Freya and Fairy Queen.

Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIAS.

Adonis, carmine with pure white throat, and Snowball, a pure white; they are always in bloom and a good plant for retail. 25 of each for $1.00 or $2.00 per 100. from 2-inch pots.

ALBERT M. HERR, Lancaster, Pa.

5000

Lady Campbell Violets.

Strong, Healthy Stock Plants,

$4.00 per 100. $35.00 per 1000.

H. A. JAHN, New Bedford, Mass.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also High Grade Mixed Dahlias and Dahlias under Separate Colors.

W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at $2 00 PER 100 and up.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...OF... ARECA LUTESCENS, KENTIA BELMOREANA, PHOENIX RUPICOLA.

MY SPECIALTY.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship, a splendid stock of plants in four separate colors, from 2-inch pots, $4.00 per 100; $35.00 per 1000. From 2½-inch pots, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....

$2.00 Per Year. Semple Copies Free.

Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. CHICAGO.

McKELLAR & WINTERSON,

45, 47, 49 WABASH AVE., CHICAGO.

DECORATION DAY CUT FLOWER PRICE LIST.

ROSES.	Per doz.
Beauties, long	$3.00 to $4.00
" medium	1.20 to 2.50
" short	.75 to 1.00
	Per 100
Perle	3.00 to 6.00
Bride, Bridesmaid	4.00 to 7.00
Met or	4.00 to 7.00
Kaiserin, La France	5.00 to 8.00
Roses, our sel., ass't	3.00 to 5.00

CARNATIONS. We handle all Leading Varieties.

Extra select fancy	$3.00
Fancy stock	2.00 to $2.50
Medium grade	1.00 to 1.50

MISCELLANEOUS.	Per 100
Callas and Harrisii	$8.00 to $10.00
Paeonias	3.00 to 5.00
Pansies	.25 to .50
Daisies	.50 to 1.00
Mignonette	1.00 to 3.00
Lily of the Valley	2.00 to 4.00
Alyssum	.25
Narcissus	1.00 to 3.00
Tulips	2.00 to 4.00
Daffodils	2.00 to 4.00
Poeticus	2.00
Cape Jasmine	1.00 to 2.00
Sweet Peas	.50 to 1.00

DECORATIVE STOCK.	
Smilax	per doz., $1.50 to $2.00
Asparagus	" 5.00 to 6.00
"	per string, .50
Adiantum	per 100, 50c to 1.00
Common Ferns	per 100, .25
" "	per 1000, 2.00
Galax Leaves	" 1.50
" "	per 100, .15

Prices subject to change without notice. Regardless of prices quoted we always bill out at lowest market rates.

Plenty of Flowers for

DECORATION DAY.

Our Stock is Right and at the Lowest Possible Prices.

Chrysanthemums.

A large list of the best new and leading standard varieties; strong, healthy, vigorous plants from 2 and 2½-in. pots. There are none better; most of our customers tell us there are none so good. Send for complete list.

THE FOLLOWING CARNATION PLANTS STILL LEFT:

GENEVIEVE LORD, from sand, grand stock, $10.00 per 100, $75.00 per 1000. **AMERICA, GOMEZ** and **MACEO,** $5.00 per 100. **JOOST, PINGREE,** $2.50 per 100. **GOLD NUGGET,** $3.00 per 100.

H. WEBER & SONS,

Oakland, Md.

Please mention the American Florist when writing.

Leading Chrysanthemums.

White: Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jerome Jones, Independence, Weeks. Yellow: Golden Trophy, Henderson, Johnson, O. P. Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch. Pink: Ivory, Glory d. Pacific, Montmort, Morel, Perrin, Murdock. Bronze: Chas Davis Red: Geo W Childs; out of 2½-in. pots, $2.50 per 100, $20.00 per 1000. Also, White: Lady Fitzwygram, Chadwick, Mayflower, Western King Yellow: Pennsylvania, Golden Wedding. Yellow Jones and H W Reiman. Pink: Autumn Glory, Pink Jones. Red: Defender, Shrimpton. Bronze: Lady Hanham; out of 2½-in. pots, $3.00 per 100, $25.00 per 1000. 500 or more of not more than 12 varieties at 1000 rate.

ROSES. Bridesmaids, Brides and Perles, 2½-in., $3.50 per 100 $30.00 per 1000. Good Stock. Bridesmaids, Brides and Perles, 3-in., $5.00 per 100, $45.00 per 1000

Terms cash or will be sent C. O. D. Satisfaction guaranteed or money refunded. Secure your stock by ordering early We are the largest growers of Chrysanthemums in Illinois.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

....AN....

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

Crotons Now is the time to think about bedding out these beautiful foliage plants, though in the vicinity of Philadelphia the first week in June is early enough.

We have them in the following varieties, all of which are excellent for the purpose indicated: Andreanum, Aureum Maculatum, Evansianum, Interruptum, Queen Victoria, Rubro-lineatum, and a few others. Very fine plants.

6-in. pot plants, 15 to 20 in. high, 75c to $1 each.
4 " " ..... $3.00 per dozen.
3 " " ..... 8.00 per 100.
Aureum Maculatum... $5 per 100, $35 per 1000.

Money Order Office, Chestnut Hill, Sta. H Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co., Pa.

PANSIES ..THE.. JENNINGS STRAIN

FINE, STOCKY PLANTS from cold frames, in bud and bloom, $1.50 per hundred; $13.00 per thousand.

SMALL PLANTS by mail 60 cts. per hundred. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

GROWER OF THE FINEST PANSIES.

Please mention the American Florist when writing.

KAISERIN and CARNOT Rose Plants

$2.50 PER HUNDRED.

Out of 2½-in. Pots. Fine Stock.

COLE BROS., Peoria, Ill.

CHICAGO CARNATION CO.

Carnation Specialists,

JOLIET, - - ILL.

SWEET BAY TREES

FINE CROWN TREES! We can ship them, packing free of charge, per pair, $12, $15, $25, $35, $40, $50, for extra fine specimens.

CASH WITH ORDER.

ANTON SCHULTHEIS,

P. O. Box 78. COLLEGE POINT, L. I.

Orchids!

Arrived in perfect condition, CATTLEYA PERCIVALLIANA and C. MOSSIAE. Write for prices.....

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

ROSES.

A No. 1 Stock.

	Per 100	Per 1000
BRIDES, 2½-inch	$3.00	$25.00
BRIDESMAIDS, 2½-inch	3.00	25.00
PERLES, 2½-inch	3.00	

CASH WITH ORDER.

JOHN MUNO, Rogers Park, Chicago.

PLACE YOUR NAME.....

and your specialties before the purchasing florists of the entire country by advertising in

SEND ADVT. NOW. **THE AMERICAN FLORIST.**

Bangor, Me.

The spring season is somewhat backward, there having been several severe late frosts, aud the cold, damp, weather retards bulbous stock; still spring settings are for the most part out. Bedding stock has been selling slowly, but there is a good outlook. On the whole there is little to complain of.

Carl Beers has launched out as a horticultural auctioneer, something of a venture here, but results were satisfying enough to warrant his opening another store on the main street, which will be used as an auction and salesroom. Here he proposes to hold semi-weekly auctions of his own stock, as well as undertaking commission and brokerage business, whereby he will dispose of the stock of any and all who place such in his hands.

Beers is, without doubt, a great hustler. With at present 20,000 square feet of glass, he proposes building four more modern houses to be devoted entirely to roses and carnations. The heating will be hot water under pressure. He will also build in Houlton, Me. Salesmen will conduct sales this spring in all the larger towns of the eastern part of the state; he will thus enliven competition.

As to the other florists here, they are also hustlers. Adam Sekenger has done a bigger and better business than ever and a glance through his large and well ordered establishment shows all the facilities for a good trade. Mrs. Allen does a thriving business, though on a somewhat smaller scale than the two before mentioned.

Bangor and vicinity is one of the finest lacalities in the United States for the florists' business. It seems wonderful that a city of 30,000 people can support five florists with a total of probably 120,000 square feet of glass. V. V.

HOPKINSVILLE, KY.—T. L. Metcalf, who recently purchased J. K. Postma's business, is building an additional greenhouse 30x80, using the best of construction.

SPECIAL OFFER

15,000 METEOR ROSES
FROM 2½-IN. POTS.

WISHING to clean out to make room for planting, will offer above for $20 per thousand. Also have left a few

MAIDS, BRIDES AND PERLES
AT $25 PER THOUSAND.

This stock is A1 in every respect and as good as any we have sent out, which has given general satisfaction.

J. A. BUDLONG, 37-39 RANDOLPH ST., **CHICAGO.**

ROSE PLANTS

		Per 100	Per 1000
AMERICAN BEAUTY	2½-in.	$5.00	$45.00
METEOR	"	3.00	25 00
BRIDE	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
PERLE	"	3.50	30.00
AMERICAN BEAUTY, lifted from benches			35.00

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,
51 Wabash Ave., CHICAGO, ILL.

Healthy ROSES in PERFECT CONDITION.

....Brides and Bridesmaids Per 100, $3.50. Per 1000, $30.00.

——From 2½-inch pots.——

500 AT 1000 RATES. CASH WITH ORDER.

ROSEMERE CONSERVATORIES, Centre St., DORCHESTER, MASS. Lawrence Cotter, Mgr.

ONLY 20,000
YOUNG ROSES LEFT

and planting season just commencing. Our stock consists of

Am. Beauties,	in 2,	2½	and 3-inch.
Perles,	"	"	"
Maids,	"	"	"
Brides,	"	"	"
K. Victoria,	"	"	"
Wootton's,	"	"	"
Golden Gate,	"	"	"
La France,	"	"	"
Belle Siebrecht,	"	"	"

We believe in shifting young roses often. All stock offered in 2½-inch pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established.

Send 50 cts. or $1.00 for samples and prices. Stock will please you. Prices are right.

Last Call for Decoration Day.

5000 Geraniums, in 3 and 4-inch pots, red, white, pink, salmon and mixed.
Salvias, 2½-in. Vincas, 3 and 4-in. Daisies, 3-in. Begonias, 3 and 4-in. Cannas, 3 and 4-in. Caladiums, 6-in. Tuberoses, 3-in. Boston Ferns, 5-in. Heliotrope, 3 and 4-in. Verbenas and Pansies by the thousand.
Write or wire

GEO. A. KUHL, Pekin, Ill.

WE HAVE OUR USUAL FINE STOCK OF

American Beauty Plants.

JOHN BURTON, Wyndmoor, Philadelphia, Pa.

ROSE PLANTS
FROM 2½-IN. POTS.

GOLDEN GATE, $3.50 per 100.
KAISERIN, $3.00 per 100.
PERLE, $3.00 per 100.

PETER REINBERG,
.....51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing

GERANIUMS, mixed, 2-inch	Per 100,	$2.50
HUMULUS var. (Jap. Hop), 2-in.	"	2 00
COBÆA scandens, 2-in.	"	2.00
SWEET ALYSSUM Little Gem, 2-in.	"	2.00
SELAGINELLA Dent., strong, 2-in.	"	1.50

E. I. RAWLINGS, QUAKERTOWN, PA.
Please mention the American Florist when writing.

GRAFTED ROSES,
American Beauty, Kaiserin, Golden Gate, $10 per 100.

OWN ROOTS, FROM GRAFTED STOCK.
Golden Gate, Kaiserin, Meteor, strong stock ready for 3½-in. pots. $4 per 100, $35 per 1000.

S. J. REUTER, Westerly, R. I.

ROSES!
1000 BRIDES.....3-inch pots
500 BRIDESMAIDS.....3-inch pots
Strong, clean plants, well-grown, $4.00 per 100. Cash with order.

MANN & BROWN, Richmond, Va.

Always mention the American Florist when you order stock.

Chrysanthemums.

FOR ALL PURPOSES.

NOVELTIES
And STANDARD
VARIETIES.

Send Us a List of Your Wants for
LOWEST CASH PRICES.

NATHAN SMITH & SON, Adrian, Mich.

VERBENAS

60 Choice Varieties,

in bud and bloom, 2½-inch pots, $2.50 per 100; $20 per 1000. 3-inch pots, $3.50 per 100.

GERANIUMS

30 Finest Bedding Verieties,

in bud and bloom, 3½-inch pots, $6.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS. 4-inch.

2000 strong 4-inch Geraniums, in best varieties; nearly all in bloom, **$7.00 per hundred.**

W. H. GULLETT & SONS, Lincoln, Ill.

Please mention the American Florist when writing.

Aster Plants.

OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

I have a few

DRACAENA Australis

Broad, green leaves, strong seedlings grown in open frames. I offer them at $10 per 1000, $1.25 per 100. They make a fine decorative plant, and are superior to the Indivisa for all purposes. Worth three times this money if potted.

CHAS. H. CAMPBELL, Richland, Cal.

Surplus CANNAS

300 assorted standard varieties. About one-third Mme. Crozy, the remainder Charlotte, Asa Gray, Chas. Henderson, Egandale and other good sorts. $6.00 per 100, from 3 and 4-in. pots. Cash with order.

S. M. HARBISON, Danville, Kentucky.

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)....	$10.00
2¼ " Vinca Variegata Vines............	2.50
Plants " " " from flats..	1.50
2¼ " " Mme. Salleroi Geraniums.........	2.00

Rooted cuttings of Coleus, Crimson Verschaffeltii, Golden Queen and Mixed, 75c per 100.

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y

FORBES' Grand New BEGONIA CALEDONIA

(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

JOHN FORBES, Nurseryman, HAWICK, Scotland.

BAY TREES

PYRAMIDS AND STANDARDS

A Grand Array of
CHOICE SPECIMENS.

Write for prices.

BOBBINK & ATKINS,

RUTHERFORD, N. J.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY. double light pink,
GLOIRE DU MONTET. double pink,
TRIOMPHE DE LORRAINE. double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta H. Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co. PA.

THE NEW FERN

Nephrolepis exaltata gigantea

Has broad leaflets and the longest fronds of all the Nephrolepises For beauty and grand specimens by far surpasses the famed Boston Fern Fronds of an average plant 9 to 12 feet long and up. Price of nice young plants 25c each, 3 for 50c, post paid; $5 per 100 by express.

Acalypha Marginata, good rooted cuttings, mailed for $1.50 per 100. **Russelia Juncea,** good young plants, mailed for $1 50 per 100. Send for price list of Plants, Bulbs, Seeds and Decorative Stock.

SOAR BROS, Little River, Fla.

FLORISTS' ORCHIDS

.......The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Dracæna indivisa....$10.00, $15.00 and	$20.00	per 100
Smilax, transplanted, strong.........	.50	"
Coleus, rooted cuttings...............	.75	"
Geraniums. S. A. Nutt, etc..	2.50	"
Asters. trans. Queen of Market.......	.50	"
Heliotrope, 3-in. Jersey Beauty	4.00	"
Asparagus plumosus seedlings	3.00	"
" **Sprengerii,** 3-in............	6.00	"
Ageratum, Cope's pet, 2½-in	2.50	"
" Princess Pauline, 2½-in..	3.00	"

CASH PLEASE. **Carl Hagenburger,** W. Mentor Ohio.

5000 BRIDES AND MAIDS

2 and 2½-in. pots, ready for shifting, $2.50 per 100, $20.00 per 1000.

Also **5000 BRIDES and MAIDS,** in 3-in. pots. Very fine stock. $4.00 per 100, $35 00 per 1000.

J. F. DUNCAN,
Wyndmoor P. O., Montgomery Co., Pa.

Please mention the American Florist when writing.

FLORISTS◆◆◆◆◆◆

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

Cannas and Violets.

Paul Bruaut, Chas. Henderson, A. Ferrier, Queen Charlotte and Florence Vaughan, started plants at $6.00 per 100.

California and Farquhar Violet clumps at $5.00 per 100, $40.00 per 1000. Marguerite Carnations, (white); Corn Flower, (lilac and purple); Gaillardia, (single); and Oriental Poppies, the above at $4 00 per 100.

ROBERT F. TESSON, West Forest Park, St. Louis.

VIOLETS We still have Lady Campbell and Swanley White rooted cuttings, $6.00 per 1000.

GERANIUMS, S. A. Nutt, Bruanti, etc., at $6.00 per 100 without pots; $7.00 with. Mme. Salleroi, 3-inch, $3.50 per 100.

CANNAS, Star of 91, similar to Bouvier, also a mixed lot of Florence Vaughan, Burbank, Austria, J. D. Cabos, etc., at $8.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

POTTED VIOLET CUTTINGS.

Clear of all diseases, of the different varieties.

	Per 1000
FARQUHAR............................	$20.00
CAMPBELL............................	15.00
PRINCESS OF WALES..................	12.50

No California for sale now.

GREEN SPRINGS FLORAL CO.,
Louisa County, Waldrop P. O., Va.

Violets

PRINCESS OF WALES
Fine plants,
$1.50 PER 100.

Dwight M. Wells, Benton Harbor, Mich.

Alvin, Tex.

The first shipment of cape jasmine buds was made May 16. Few people have an idea of the immensity of this industry, but it adds many dollars to the incomes of the gardeners in this section. Orders are on file for many thousands and by the time the season will be fully opened a carload of the buds will be handled here daily. C. W. Benson is one of the largest dealers. He has several acres of fine bushes and buys many thousands from the smaller growers to fill his orders. Major G. W. Durant is the pioneer of the business and has the largest plat of cape jasmines in the south, about twelve acres solidly covered with bushes six to eight feet high. He frequently ships 40,000 in one day and realizes from $150 to $200 per acre from his flowers. The popularity of this flower is widespread and orders come from every considerable city in the United States and even from Canada. Properly packed the buds will carry for a week and open out as fresh and fragrant as though on the bush. These flowers are much in demand for Decoration day and orders for hundreds of thousands are received to be shipped out for that occasion. The season only lasts about three weeks and is about ten days late this year. The average price is 50 cents per 100 f. o. b. here. During the season the air is redolent with the rich perfume from the thousands of bushes white with bloom, and many people find employment gathering and packing the flowers. This comes just upon the heels of the strawberry season and keeps the cash coming in.

SAVANNAH, GA.—John Wolf has established a city branch at Conida's Bull street store.

WHILE THEY LAST.

40,000 GERANIUMS. Ten strictly first-class bedders: S. A. Nutt, Bruanti, Beaute Poitevine, Frances Perkins, La Favorite, White Swan, Mrs. J. M. Garr, Athlete, Am. Wonder, Mme. Jaulin, strong, 2¼-inch, $2.75 per 100; $25.00 per 1000. Rose Geraniums, 2½-inch, same price. 2-inch, 2c. Mme Salleroi, strong, 2-inch, $1.50 per 100. Orders filled day received.

25,000 2½-inch ROSES—Brides, Meteors, Maids Perles and Woottons, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first-class.

Double Fringed PETUNIAS and 20th Century VERBENAS, strong, 2-inch, 2c.

VINCAS, strong, 2½-inch, 3c.; 2-inch, 2½c.

MARGUERITES—New Giant White, a grand sort, and New Golden, strong 2-in., $2.00 per 100.

COLEUS—Strong 2-inch, choicest varieties, $2.00 per 100.

SMILAX—Strong 2-inch, $1.00 per 100. Strong seedlings, 50c. per 100.

AGERATUM, Princess Pauline—Strong, 2½-in., 2½c; 2-in., 2c.

GIANT COMET ASTERS (true)—Strong 2-in., $1.50 per 100. Laveuder, pink and white, and pure white.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

CENTAUREA GYMNOCARPA,

3-inch, $2.00 per 100.

Ageratum, blue and white, 2-in., $1.00 per 100.
Pansy Plants in bud (mixed) $1.00 per 100.
Vegetable Plants transplanted; **Cabbage** Wakefield, 40c per 100. **Tomato,** Henderson's Crimson Cushion, Ponderosa, Maule's Enormous, Matchless, Acme and other varieties, 65c per 100.

WM. CLARK,
Successor to Clark & Palmer. Batavia, Ill.

TELEGRAPH CODE
OF THE
AM. SEED TRADE ASSOCIATION
$2.00.

In either stiff or flexible cover. ADDRESS ORDERS TO AMERICAN FLORIST CO., CHICAGO.

WHAT DO YOU WANT?

I have 10,000 **Scott, McGowan and Portia Carnations,** from flats, $10 00 per 1000.
L. H. Campbell and California Violets. 10,000 strong. Fall runners, ready to plant, $8 00 per 1000; **Princess of Wales,** $15.00 per 1000. All above by 100 same price.
5000 Ampelopsis Veitchii, long, live tops, pot-grown, dormant, at $3 00 per 100 or $25 00 per 1000.

5000 Vinca Major Var. 2½-in., strong, $3.00 a 100.
Carex Japonica, Golden Glow, Blue Moon Vines, Halleana and Golden Honeysuckle, Blue and Crimson Spiræa, all from 2½-in. pots, good, 3 cts. each, as many as you want.
Also **Lady Washington Geranium, Genista,** assorted **Flowering Begonias, Manettia Bicolor,** 4 cts. each; **Sprengeril,** 3½ in., fine, 8 cts

Cash with order, please. **BENJ. CONNELL, Florist, WEST GROVE, PA.**

Stuff You Want

ALL WELL GROWN,
CLEAN, HEALTHY PLANTS.

	Per 100
SALVIA SPLENDENS—3-inch	$4.00
Fancy Single **PETUNIAS**—Very fine colors, large flowered, 3-inch	4.00
FUCHSIAS—Fine mixed sorts, in bud and bloom, 3-inch	5.00
4-inch	6.00
5-inch, very large	7.00
COBÆA SCANDENS—3-inch	4.00
LOBELIAS—Crystal Palace and Trailing, strong, 2½-inch	2 00
FEVERFEW—Golden Gem, 2½-inch	2.00
JASMINUM GRANDIFLORUM—Strong plants, 4-inch pots, very fine for cut flowers	$1.50 per dozen

SATISFACTION GUARANTEED.
CASH WITH ORDER, PLEASE.

CRITCHELL'S,
CINCINNATI, O.

GOOD STOCK.

		Per 100
5,000 Geraniums, named, our sel	4-in.,	$8.00
4,000 Obconica	"	6.00
5,000 Alternanthera, large leaved	2½-in.,	2.00
2,000 Fuchsias, choice mixed	2½ "	2.00
1,000 Hydrangeas, Thos. Hogg	5 "	15.00
2,000 Flowering Begonias, our sel	2¼ "	1.50
1,000 True Maidenhair Fern	2½ "	4.00
1,000 Clara Bedman Salvias	2¼ "	2.00
200 Boston Ferns, strong	6 "	20 00
11,000 Asparagus Plumosus, from flats		2.00
1,000 " " from soil,	7-in	20.00
2,000 Petunias, dbl. mixed	3 "	4.00
2,000 Mixed Geraniums	2¼ "	2.00
1,000 Hardy Grass Pinks, pk. bloom, clumps		3.00
1,000 Stock Plants, flowering Begonias mxd.		10.00
2,000 Verbenas, named	2-in	1.00
10,000 Coleus, named	2 "	1.50
2,000 Iresines, yellow, also red	2¼ "	1.50

The Morris Floral Co.,
MORRIS, ILL.

GERANIUMS, 2½-in., good assortment, $2.50 per 100.
" Cloth of Gold and Prince Bismarck, $3.00 per 100.
ALTERNANTHERA, 2-in., red and yellow, $2 per 100.
CANNA. Chas. Henderson, strong dormant roots, $2 00 per 100.
FARFUGIUM, Grande, 2½-in., $5 per 100.
PETUNIAS. Dreer's strain, 2½-in., $2.50 per 100.
PELARGONIUMS, 2½-in., good assortment, $3.50 per 100.
VINCA ELEGANTISSIMA, 2½ in., $2.50 per 100.
" **VARIEGATA,** 2½-in., $4.00 per 100.
TRADESCANTIA, Multicolor, rooted cuttings, 75c per 100, prepaid.
PALMS, Lat. Borbonica, 2½-in., strong, $5 per 100.
FERNS, Boston, 2½-in., $4 per 100.
" Cordata compacta, 2½-in., $4 per 100.
" Cyrtomium Falcatum, 2½-in., $3 per 100.
" Pteris Longifolia, 2½-in., $3 per 100.

CASH WITH ORDER.

G. W. WEATHERBY,
CHILLICOTHE, MO.

SMILAX

Surplus from flats, to clear out.

By mail, 40c per 100, $3.50 per 1000, while they last.
McFARLANE, Staatsburgh-on-Hudson, N. Y.

CABBAGE. CABBAGE.

10 acres of plants now ready: leading vars., $1.00 per 1000; $8.50 per 10,000.

LETTUCE, Boston Market, Tennis Ball, Curled Simpson, Grand Rapids and other vars., 15c per 100; $1 per 1000; $8.50 per 10,000. If by mail add 10c per 100.

TOMATO, small plants for transplanting, in several varieties; 15c per 100, $1.00 per 1000.

PEPPER, small plants for transplanting, in several varieties; 25c per 100; $2.00 per 1000. Add 10c per 100 if by mail.

EGG PLANTS, New York Improved, for transplanting, 25c per 100; $2.00 per 1000.

CELERY, Golden Self-Blanching and White Plume, 15c per 100; $1.00 per 1000.

Other vegetable plants in season. *Cash with order.*

R. VINCENT, Jr., & SON, White Marsh, Md.

Extra Fine 2-in. Stock

Alternanthera, 3 varieties, $1.50 per 100, $14.00 per 1000. **Fuchsias,** mixed, $1.50 per 100. **Begonia Metallica,** $2.25 per 100. **Coleus,** Golden Bedder and Verschaffeltii, $1.50 per 100, $15.00 per 1000. **Mixed Coleus,** $1 35 per 100, $13.00 per 1000.

Rooted Cuttings, Golden Bedder Coleus, 60c per 100, $5.50 per 1000.

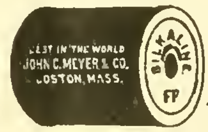
R. I. HART, Hackettstown, N. J.

VEGETABLE PLANTS.

Fine, Large Plants, Ready to Plant Out.

	Per 1000	Per 5000
CABBAGE, best leading varieties	$1.00	$4.00
TOMATO, 5 leading varieties	1.00	4.00
BRUSSELS Sprouts	1.00	4.00
LETTUCE, several varieties	1.00	
CAULIFLOWER, H. Early Snowball	2.00	

J. C. SCHMIDT, - Bristol, Pa.



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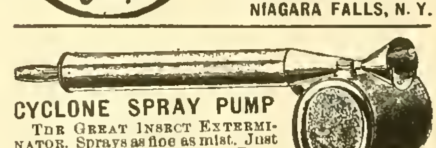

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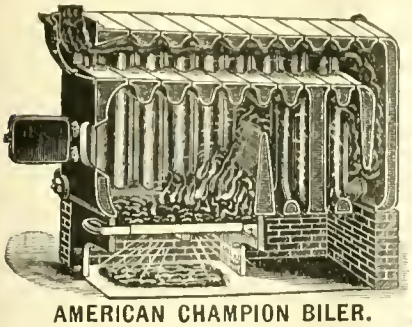

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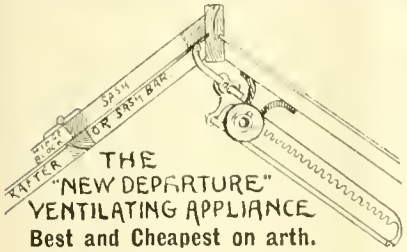

THE "NEW DEPARTURE" VENTILATING APPLIANCE
Best and Cheapest on arth.

THE EVERLASTIN HINGE.

MR. EDITUR:

I send u mi pieter whitch also shoes mi latest invenshin. i got it up to help mi florist frenz what kin pla musick, an tha are wel plezed with the wa it works, an al sa it hez great posabilities. Kraig uv Filidelfi saiz it filz a long felt wont in hiz fambly, fur awl his kids is musickl an he is sum hisself on the Kazoo. Kole uv Kokomo hez ordered a hole litter uv em awl sizes to sute his fambly, and his baby now krize hy note, We wil sune have theze music holders uv different styles an matereals to sute kustomers. Sum uv kast irun, sum Plaster frum Paris, sum of dog skin stufed with straw, and sum stuffed with the dorg an bark. theze iz automatick an kin be traned to bring the musick sheets and beet time with its tale on the flore. This style is a howling succes when traned tew take part in a funerial durge.

Now as i need munney to breede an bild thoze machenes an get a patent on em, i wil cel sum **BILERS an HINGES an VENTILATIN KONTRAPSHINS** Purty cheep. so tel awl the Flourists what iz hildin, tu send tu me fur a Kat-a-log what tels awl about mi fixins.

Mi name iz J. D. CARMODY, I live in Evansville, Indiana, Klose tew Posey Kounty.

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CYCAS ..LEAVES.
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NURSERY SEED FLORISTS **CATALOGUES**
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The South Park Floral Company has its fine new range of six houses well on the way to completion. This will add 60,000 feet of glass to the establishment and will be devoted exclusively to American Beauties, with which the firm has had excellent success, in fact producing stock the equal of any in the country. The old range will be given over to Bride, Bridesmaid and Perle, with which they have obtained no mean results. Messrs. Heller consider themselves fortunate in getting their glass for this new range, all 16x24, double strength A, for $3.21 per box. They have just purchased four acres of Indiana real estate on which there is as fine rose soil as can be found anywhere and they will begin drilling for natural gas next month; if they have luck in this equal to their other successes they will get an abundant supply of fuel at little cost, for the gas is all around them. They have just given the Kroeschell Bros. Co., Chicago, an order for a boiler of the largest size turned out by that concern.

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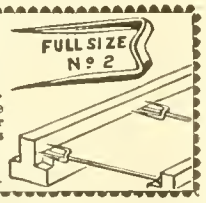

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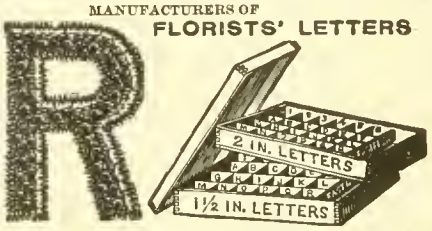

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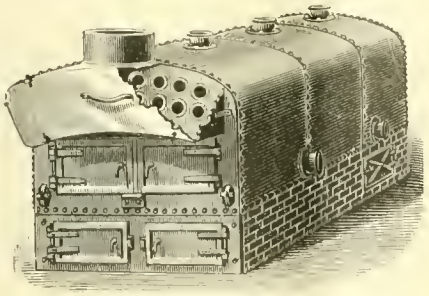

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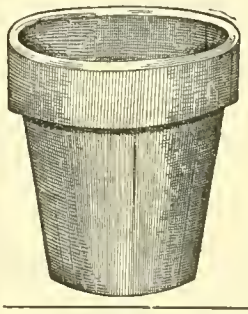

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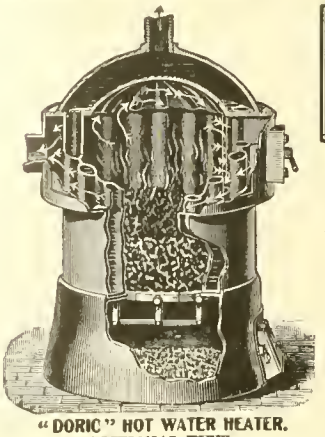

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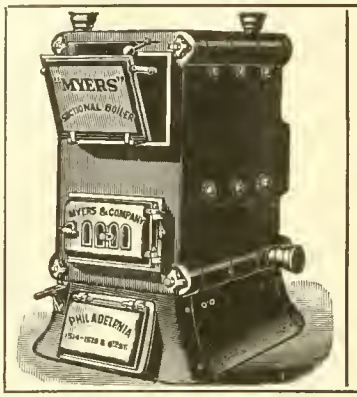

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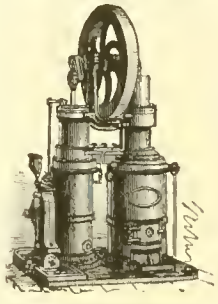

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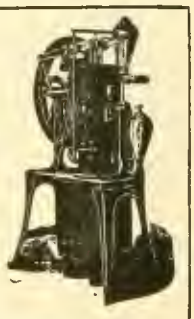

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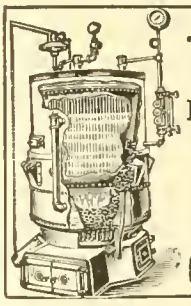

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Vol. XV. **CHICAGO AND NEW YORK, JUNE 2, 1900.** **No. 626.**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Next exhibition at Eden Musee, 23d street, New York, June 12-14, 1900. Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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LONGMEADOW, MASS.—J. H. Lewis has sold his greenhouses and land to W. A. Hamblen.

The Clematis Disease.

ED. AM. FLORIST:—Some time ago I wrote to Mr. Koster, of Boskoop, Holland, for information upon the clematis disease, not being fully satisfied with the conclusions in the article, translated from *Moller's Deutsche Gartner-Zeitung*, which appeared in the AMERICAN FLORIST at about that time. I had heard of Mr. Koster's success with the clematis and here is his answer to my interrogatory:

"The clematis has been grown for many years at Boskoop, at first in only moderate quantities, but with the increased demand in the American market provisions were made to supply that call. The original way of growing the clematis was to increase them by layering, a very slow and tedious method of propagation, but once in possession of a number of young plants the grower was sure to lift that number two years later, when they had attained marketable size. With the advent of propagating houses in Boskoop the clematis was grafted upon viticella roots with satisfactory results at the beginning.

"We began to propagate the clematis extensively in our nurseries about eight years ago, when the sale in America assured the disposal of every plant grown; prior to that time only a few clematises had been grown in our nurseries, which my father established in 1840. At the start we had no difficulty. The young plants were set a foot apart with fifteen inches between the rows. They were very carefully staked with rods three and one-half feet long and during the whole summer were continually tied up. Before winter set in each plant was cut back four or five inches above the ground, the stakes were removed and the plants left wholly unprotected from winds and frost. The removal of the stakes was to prevent any lifting by the frost, which would prove fatal to the tender shoots.

"The following spring larger stakes were used, to which the plants were carefully tied and, as a rule, did well for the first months, until they had reached a height of about five feet. Then came the disease. Beautiful, strong plants which did not show the least sign of any sickness were seen to wither and their death was but a matter of two or three days. It was a pitiful sight to see whole nurseries of clematises devastated by the ravages of this unknown destroyer. Not one grower escaped and you can readily understand that there were as many theories as to the cause of the trouble as there were growers. We, of course, began to investigate.

"Our first thought was of the blight and we had many a thorough trial with bouillir cordelaire, but without success. One thing which made us skeptical in regard to the blight theory and which told us that the death of the plants was due to some other cause was the fact that many plants, after showing no life for some time, would suddenly send out new shoots, occasionally to a height of six feet. This proved the healthy condition of the roots and caused us to examine the diseased shoots under a microscope. The result was the discovery of nematodes which exactly fitted the description of violet nematodes given in a recent issue of the AMERICAN FLORIST. We could almost say, as it was there said of the violet: 'The death of the plants attacked is caused either by the presence of the worms or by their feeding on the juices of the plants.'

"After discovering these pests the great question was as to the remedy. We cut the plants back as far as possible as soon as cold weather was over. To accomplish this a little earth was dug away with the fingers, laying bare the roots of the plant; then the cut was made as low as growing shoots could be seen. This trial was a perfect success. It was a delight that first summer to walk through our nurseries and see the rows of clematises untouched by disease, every one blooming and growing as had not been seen for years. Everybody in Boskoop was surprised at our results and there was no end of guessing as to what Koster & Co. had done to their clematises. For three years we were able to keep the secret; then everybody began to cut their clematises back, without knowing just why, and those who did the work well had success once more.

"Now what had the cutting back to do with the disease? By this method new, healthy shoots were started below the surface, inaccessible to nematodes, and very different from the old method, whereby new wood was permitted to grow on parts of the growth of the year previous, damaged by frost, rain and hail, leaving the bark full of holes and cracks. We have told some of our American customers about our method but few have had success with it because they have not cut the plants back low enough and have not staked the plants properly when the young shoots appeared.

"That those who treat the plants properly have success is proven by a let-

ter from the firm of H. A. Dreer, in which the writer says: 'Now I want to tell you about the clematises which I cut back the way you suggested, but with very little hope of their ever coming to life again, as we were not able to get at them until the first week in July. They started very slowly at first but now about fifty per cent have made a growth of from two to four feet and more of the plants are still coming up, and with only one exception the several thousand plants are perfectly healthy. If the present hot weather does not affect them I believe we will save at least seventy-five per cent where we formerly lost ninety per cent.' " JAMES JENSEN.

Planting Aquatics.

It is very difficult for weather prophets to predict accurately a few days ahead, to say nothing of weeks in advance, the kind of weather we are likely to experience, and after the experiences of the past season it will be difficult to say just when certain horticultural operations should be performed, as the condition of the weather may be just the reverse of what may, in general, be anticipated. It will be prudent for all cultivators to note just what the most favorable conditions are for certain operations and to seize the opportunity when it presents itself, rather than to follow any hard and fast rules for such matters. As experience is the best schoolmaster, many practical lessons may have been learned during the past season. There are always those who are ready to take risks and if these planters are not overtaken by mishap they may repeat the experiment, and others may follow their example, but either may rue it.

A large number of hardy nymphæas may, as a rule, be planted in April, especially in the middle Atlantic states, but even here a number of varieties with soft rhizomes, of the odorata type, will suffer, and it is not infrequent that one hears complaints that such and such a plant never grew. Although these plants are hardy in a certain sense they are very liable to suffer if removed or transplanted when the conditions of the weather are such that they do not start into active growth at once. If they do not grow they will assuredly rot. The same state of affairs is even more pronounced in the case of nelumbiums of all kinds, and it is not unusual for people to call for these just as early in the season as for hardy nymphæas, and with fatal result. It is an unnatural desire to obtain, in the shortest period, a full grown and developed plant, but nature will not be forced and we must learn patience.

Perhaps no better month than June can be selected for planting hardy nymphæas, as well as tender; also nelumbiums and victorias, especially the latter where no artificial heat is applied. In the case of hardy nymphæas they take hold at once and some varieties will give a good average of flowers, but if not, there is the assurance of an established plant and an early start at the right time the following spring. The same holds good with nelumbiums, and while it may be too late to procure tubers, pot grown plants will do even better. In no case expect the same results from a newly planted specimen as from an established one, be it the first or second season.

With the first spring-like temperature there is a general feeling that tender plants should be out, but if stock is moved and we experience such sudden changes as befell us in April and May this year, we come to realize that tender nymphæas are very sensitive to such changes. The end of May or beginning of June is by no means late for planting these. Have the plants as well advanced as is practicable and if the weather is settled, the temperature of the air and water at summer heat and climbing above it, the plants will grow at a tropical gait.

Victorias may be planted in May if artificial heat can be given and the young plants protected overhead as well as by the desired water temperature, but where no heat is applied do not risk victoria plants out of doors before the middle of June. One must be guided by the conditions of the weather and locality. In mountainous districts, high latitudes and where cold nights are experienced in summer, it is risky to plant at all, even such a pronounced hardy variety as Victoria Trickeri.

During the past two or three years an insect pest has put in an appearance early in the season in different sections. This is a leaf miner. Its appearance is somewhat similar to a rose-leaf slug, having a large head and diminishing to the other extremity. Its presence is easily detected by a fantastic scroll or etching on the leaf and on examination it will be found that the larva has tunneled and consumed that part of the leaf. The leaves so affected soon become of little benefit to the plant, which is considerably weakened. This pest succumbs very readily to an application of weak kerosene emulsion with a spray pump. A sporatic disease sometimes attacks aquatic plants and the leaves present symptoms similar to the violet spot. This also succumbs to an application of weak Bordeaux mixture, the old formula or ammoniacal solution. This fungicide also destroys various forms of confervoid growth, often seen in ponds, having an appearance of thready scum. A weak solution will have no ill effect on fish.

WM. TRICKER.

PORTE MONUMENTALE—GRAND ENTRANCE TO THE PARIS EXPOSITION.

CHRYSANTHEMUMS.

SPECIMEN PLANTS.

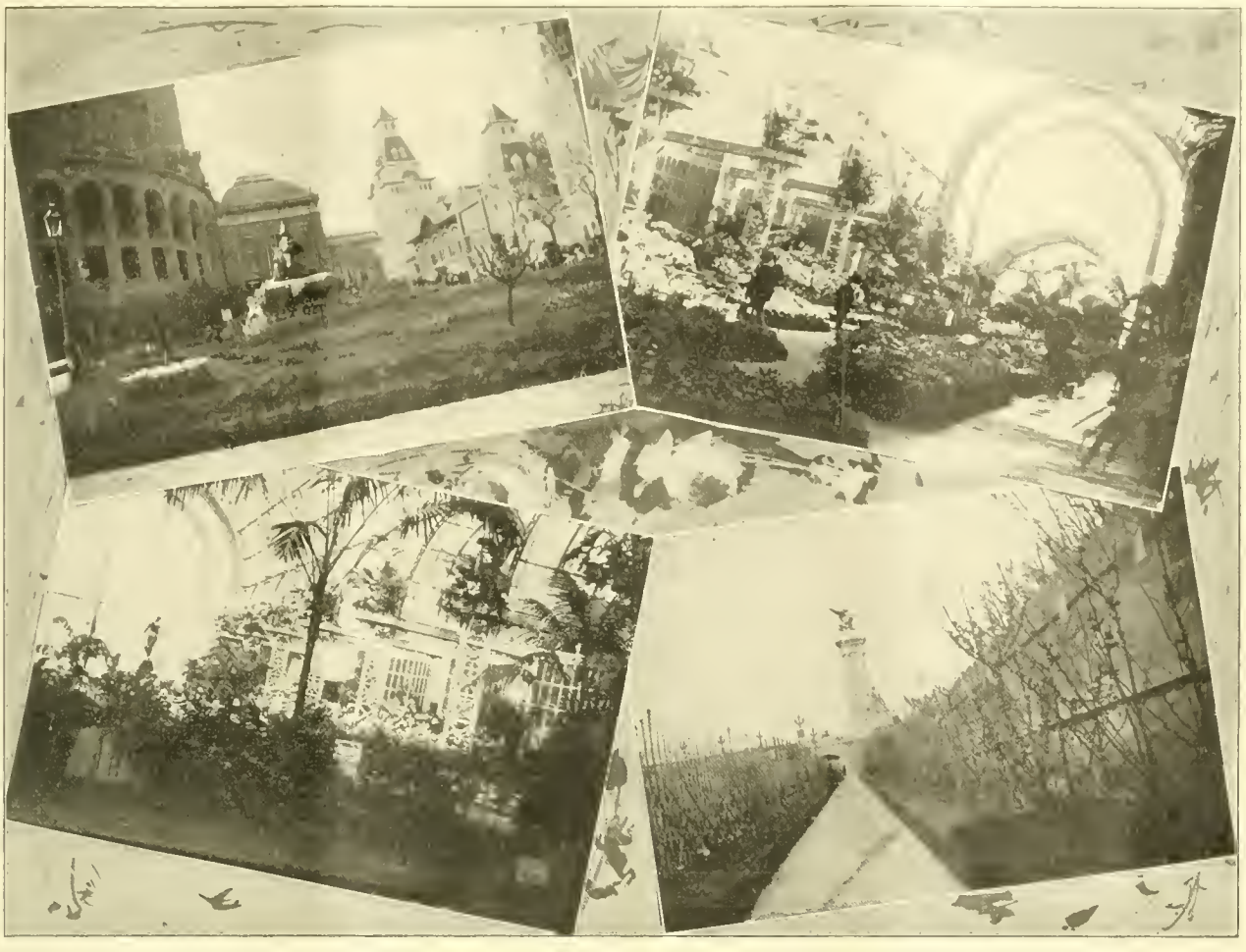
We have just finished shifting our specimen plants into 11-inch pots. Good, rich, turfy loam, with an admixture of charcoal and a sprinkling of Clay's fertilizer, was the compost used. Good drainage is essential. Our soil is light, so we pot firmly. The plants must be watered sparingly until new roots are formed. To get them waterlogged now would mean a serious loss of foliage. Of late years it has been our custom to grow our specimens indoors and in this case we have complete control of the watering. Where outdoor culture is practiced it would be advisable to keep the plants in frames until a good start is made, and this would shed water in case of a heavy rain. When growing plants outdoors they should be plunged in some clean material like coal ashes or sand, about three feet apart so as to give plenty of room for watering, tying and other incidental work. It is also advisable to place a brick under each pot to keep out worms and ensure the free passage of water.

Stopping is an important operation, and one not generally understood. No regular time can be named for this work; it should be done almost every day, or as soon as a shoot is observed outgrowing the others. The idea is to keep the plants evenly balanced. It should never be necessary to stop the plants hard, as the shoots thus treated do not break so well as when merely the tips are taken. Neither can any date be named for discontinuing this operation. W. H. Lincoln makes a good plant naturally; so do many others. In a general way we stop pinching about the tenth of August.

Indoors the plants must be kept free from insect pests by frequent fumigating. Red spider will give a good deal of trouble and, if neglected, will injure the buds at blooming time so that they fail to expand properly. Outdoors the nomad spiders, and ladybird beetle larvæ do good service in keeping down insects, and frequent sprayings during bright weather help, and besides, are conducive to the growth of clean healthy foliage.

T. D. HATFIELD.

DES MOINES, IA.—The Iowa Seed Company is experiencing a good trade. They put up eight new houses last year and will add four more this season besides rebuilding several others.



Exhibits of bulbous plants at the Trocadero.
Exhibits in the Palace of Horticulture.
Exhibits in the Palace of Horticulture.
Exhibits of fruit trees along the Seine.

AT THE PARIS EXPOSITION.

Paris.

AT THE MAIN ENTRANCE TO THE GREAT EXPOSITION.—A PROMENADE WITHOUT RIVAL IN THE WORLD.—HISTORY OF THE CHAMPS ELYSEES.—SPLENDID SHOWINGS OF FLOWERS AND FRUIT AT THE EXPOSITION.—MANY WIDELY KNOWN GROWERS COMPETE. — AMERICAN APPLES WIN PRIZES AND SPECIAL MENTION.—NEW YORK, ILLINOIS AND MISSOURI THE LEADERS.—VARIOUS OTHER MATTERS OF INTEREST.

The Porte Monumentale, which is the main entrance to the exposition, is, as is well known, located on the Place de la Concorde, close to the gardens of the Tuileries. At that same place begins the beautiful Champs Elysees, leading to the Bois de Boulogne, which are without rival in the world. About 400 years ago that famous promenade was covered by small residences surrounded by gardens, meadows and cultivated land. Mary de Medicis bought that part of the land extending along the Seine and had it transformed, in the year 1616, into three alleys lined with rows of elms and closed at both ends with iron gates. The princess and her court used the promenade, then just as nowadays known under the name of Cours la Reine, for taking a drive when in need of an airing. The trees planted in 1616 were cut away and replaced by others in the year 1723. The rest of the land, extending on the opposite side towards the Faubourg St. Honore, was tillage and rabbit hunting ground. In 1670 that extensive plain, covering the whole quarter called the Roule, was also planted with trees and converted into avenues interspersed with lawns. The new promenade, was at first denominated Grand Cours, but soon after received the name of Champs Elysees, which has never been changed.

The central alley, which was the most spacious, began on the Place de la Concorde and ended on the Place de l'Etoile, where afterward the Arch of Triumph was erected. In 1765 the superintendent, de Marigny, had the whole Champs Elysees replanted and remodeled. Numerous alleys were added and the old ones improved, and for a long time no changes were made to de Marigny's plan, if we except the two equestrian statues called Marly's Horses placed by the Convention at the entrance of the grand avenue, and which still exist on the same spot, and the establishment of several fountains under the reign of Louis Philippe. It is true that several cafes, a circus, a panorama and, on the occasion of the Universal Exposition of 1855, the Palace of Industry were constructed, but all these attractions did not allure the Parisians. The carriages going to the Bois de Boulogne and the neighboring inhabitants having leisure, were, when no festivals were given, the customary visitors to the long, monotonous and dusty avenues. To remedy the evil the city council conceived the idea of transforming into gardens, flower beds and groups of rare shrubs the greater part of the Champs Elysees. On each side of the leading entrance to the Palace of Industry two large fountains were constructed. Around the palace summer concerts (cafes chantants) were established, and scattered among the trees all kinds of amusements and various theaters were erected. The scheme met with great success and has made the Champs Elysees the most popular promenade of Paris, and probably the finest in the world. Its superficies is about 190,000 meters (yards) and the expenses for transforming it have amounted to less than $300,000. The old Palace of Industry, which for many years was a very popular building, well known to all foreigners, was pulled down a couple of years ago to make room for two new palaces which rank among the finest buildings in Paris and will add largely to the success of the exposition.

We are just now enjoying the second show of flowers and fruits at the exposition. Vilmorin, Andrieux & Co. secured several first prizes, one for a splendid collection of vegetables, including the leading kinds of radishes, lettuces, onions, peppers, etc.; another for several grand lots of calceolarias and single and double cinerarias, and a third one for their collection of annual and biennial open-ground flowers, which comprised nearly their whole catalogue. We noted among these flowers the following as deserving to be grown on a larger scale in the United States: Collinsia bicolor candidissima; erysimum, dwarf compact, golden yellow; Eschscholtzia Douglasii, Gamolepis Tagetes, Kaulfussia amelloides, Layia elegans, Leptosyne maritima,

Linaria reticulata aureo-purpurea, Calendula pluvialis, Myosotis alpestris, indigo blue; Nycterinia selaginoides, very nice border plant; Schizanthus Grahami, bright rose; Gilia dichotoma, Sphenogyne speciosa, Venidium calendulaceum, all of which are annuals very easily grown.

Ferard, Paris, showed a beautiful collection of perennial plants, with perfect specimens of aquilegia, hybrids of cœrulea; Alyssum saxatile compactum, Alyssum maritimum, double white; Doronicum gloriosum grandiflorum, Doronicum Pardalianches, Erysimum ochroleucum, with very large flowers; Heuchera sanguniea, Lychnis Lagascœ, Phlox divaricata two fine varieties, white and blue; Phlox Nelsoni (new) Phlox nivalis atropurpurea, Primula Auricula, Primula Japonica, Primula cortusoides amœna grandiflora, Pyrethrum carneum, single, very fine; Viola cornuta Papilio (new), Trollius Japonicus, etc.

Lemoine, Nancy, staged a grand collection of double lilac flowers, with several novelties not yet named. Among the older kinds attracting the attention may be mentioned: Negro, dark colored; Mme. Casimir Perier and Alphonse Lavallee, both white; Abel Carriere, light lilac; Charles Baltet, lilac, and Virginite, rose. He exhibited also several varieties of deutzias and some plants of the new Deutzia discolor floribunda, which is a splendid shrub. Defresne, Vitry, won the first prize for his great collection of standard roses, Levesque, as member of the jury, not competing with his fine collection of bush roses. Nabonnand, Golfe Juan, got the first prize for a good show of cut roses and carnations.

Simon, the cactus grower, as usual had the finest display of phyllocactus and epiphyllum. His phyllocacti Edouard Andre, Talleyrand, Jules Simon, Neuberti, Dr. Hernu, crenatus roseus, Raveandii, Kermesinus magnus, Mr. Forest, aurantiacus superbus, Abel Chatenay and Rose Unique were grand plants not easily rivalled. Moser had the best collection of Azalea Pontica and Azalea mollis. Seidel, of Dresden, was in the field with a beautiful show of Azalea Indica and secured first prize for it. His specimens of Azalea Indica Hesee, carmine; Le Flambeau, deep scarlet; Wm. Scheurer, red, Hermann Seidel, rose, and Schnee, white, could not have been better grown. The following firms also received first prizes: Dalle & Cappe, for their orchids; Vallerand, for his gloxinias and bulbous plants; Dessert, for his pæonies; Nonin, for his Primula Auricula; Paillet, for his pæonies and clematis. Billiard & Barre received a second prize for a collection of cannas in flower.

Your countrymen had a fine display of apples and secured several first prizes. The shows of the New York state commission, Illinois State Horticultural Society and Missouri State Horticultural Society deserve special mention. The Crimean united exhibition of apples and pears, although not large, also received a first prize with good conditioned specimens of the following apples: Reinette Simirenko, Reinette d'Oberdeck, Reinette Grand 'mere, Reinette de Champagne, Reinette d'Orleans, Reinette d'Angleterre, Reine des Reinettes, Calville White Winter, Kosoubasch, Sary Sinap, a curious egg-shaped apple, and the pears Bergamotte Esperance and Wergouleuse.

The leading feature at the last meeting of the horticultural society, held on May 9, was a collection of lilacs. The following sorts, Casimir Perier and Mr. Lemoine, both double white; Lucie Baltet, distinct rose color; Marie Legraye, very large flowered single white; Berenger, very large flowered dark lilac; Souvenir de Louis Spath, fine single dark colored; Macrostachne, single, charming rose-colored, were among the best.

After having been threatened, four weeks ago, with the loss of their crops through an excess of moisture, our farmers began, at the end of April, to fear the same fate through the drought which was then prevailing. The rain which fell in March and during the first fortnight of April had endangered many crops. Then came a spell of cold weather and a parching wind which baked the surface of the soil and made a crust which was very detrimental to the plant growth. Our growers were anxiously waiting for some rain to transplant their radishes and other roots, when, on May 6 and 7, we had two storms followed by heavy rains which were a great boon to the farmers around Paris. The growers in western France were less lucky and complain bitterly of the drought. But, on the other hand, it is perhaps fortunate that there is little moisture in the atmosphere, for, after a spell of warm weather in the beginning of May, the thermometer is again dropping at night almost to the freezing point and one frost would result in a loss of millions to the vineyardists, who just now are in their most critical period. The fruit trees with their roots going deep into the soil did not suffer from the effect of the changeable weather. They are fast flowering and, although the northerly, cold, dry wind caused many flower buds to drop, there are so many left on the trees that if only one half result in fruit we may rely upon a good fruit year.

The amateur rose growers complain bitterly that most of their tea and yellow-colored varieties were killed last winter, while the hardier kinds did not suffer.

The exposition is progressing and by the beginning of June will be in good shape. PARISIAN.

CHATHAM, N. J.—Hitchings & Co. are building three 150-foot rose houses for J. T. Wagner, who is a new addition to the rose growing fraternity in this town.

PARTIAL VIEW OF THE PALACE OF HORTICULTURE AT THE PARIS EXPOSITION.

Boston.

MEMORIAL DAY TRADE BREAKS ALL PREVIOUS RECORDS.—UNUSUAL DEMAND FOR ALL COLORED FLOWERS.—ROSES VERY SCARCE. — COUNTRY DEMAND AT ITS HEIGHT. — HORTICULTURAL SOCIETY ENDORSES PLANS, LETS CONTRACTS AND SELLS OUT ON TREMONT STREET.—RHODODENDRON SHOW POSTPONED ONE WEEK.—BEGONIAS WIN CERTIFICATE OF MERIT.—HEMLOCK HILL ENDANGERED. —DAHLIAS AND SALMON.—OTHER NOTES.

Decoration day caught everybody napping in Boston this year. Growers who had roses by the thousands last year could count but hundreds this time. The shortage seems to have been general and the demand upon the wholesalers from the entire New England territory—the best flower consuming district on the continent — was something unprecedented. That roses and carnations, buyers selection as to color and quality, could not be obtained, appears to have astonished the incredulous natives beyond measure and the poor wholesalers had to take many a walloping over the telephone and otherwise, at the hands and tongues of enraged buyers who would not take no for an answer. The fancy grades of roses, however, were not wanted; they seldom are for Decoration day. Ordinary quality at every day prices had the call and many thousands more roses could have been disposed of to easily pleased buyers at from $4 to $6 a hundred. As it was every remnant was eagerly seized and the same may be said of carnations, particularly the colored sorts. There was a lively call for colored flowers of any kind. If any one could have placed 10,000 pæonies or double red tulips within reach a good profit would have been available. Of astilbe and single stocks there appeared to be almost an over-supply. The unusually cold spring had necessitated, apparently, a little over-forcing on the astilbe at the last moment, for when allowed to remain out of water a little while it seemed to wilt sooner than usual. Lilies were in brisk demand although, like the astilbe, most of those seen showed traces of flimsiness due to a high temperature. Outdoor flowers were different in character

from what we are accustomed to see at Decoration day in Boston. Lily of the valley was in perfect condition; lilacs just opening and snowballs, hawthorns, deutzias, etc., were much missed, nothing of that kind being yet in bloom, even in the most favored spots. The record was surely broken on violets, there being quite a few of them in from various sources. The plant business broke all previous records. Country trade was proportionately much better than that enjoyed by the city retailers.

The Massachusetts Horticultural Society's property on Tremont street has been sold for $600,000, the building to be vacated on or before May 1, 1901. On Saturday, May 26, a special meeting of the society was called by President Appleton to take final action on the plans for a new building presented by the building committee for approval, and to consider the request of that committee that $60,000 more be appropriated in addition to the original amount of $225,000 for the construction of the new hall. But slight opposition to the recommendations of the building committee was manifested, the beauty, convenience and appropriateness of the proposed new structure being beyond criticism, and the society's endorsement was given by a vote of 182 in favor and 14 in opposition. Contracts were signed on May 29, and building operations will begin at once. The location, which was secured at a cost of $225,000 for the land one year ago, is at the junction of Massachusetts and Huntington avenues in the Back Bay section of the city and directly opposite the new Music hall now nearing completion.

The annual rhododendron show which was scheduled to take place on June 6 and 7 has, owing to the backwardness of the season, been postponed until June 12 and 13. There was a small exhibition at Horticultural Hall on May 26, the most interesting feature being a group of begonias from R. & J. Farquhar & Co., including B. semperflorens Boule de Neige, Gloire du Montet, Nancy and Triomphe de Lorraine; also B. Glorie de Lorraine nana compacta, Profusion and Vesuve. A certificate of merit was awarded. Boule de Neige is a grand double white and attracted especial admiration.

The plan of the Metropolitan sewer commission provides for a tunnel under the famed hemlock hill at the Arnold Arboretum. Great concern is felt lest this should endanger the lives of the hemlock trees that cover the hill. It is hoped that a slight change in the route of the sewer may be agreed to for the safety of the grove, which is the finest in this section of the United States.

Welch Bros. have had a rarity this week, for the season, in some fine dahlia blooms. A still greater attraction on Saturday was a handsome salmon which lay in state in the ice chest. It bore an inscription dated at Bucksport, Me., stating that it had been caught by F. H. Moses directly opposite his office. Maine men are to be envied at all times.

Mrs. Peter Barker died at her home on Pleasant street, Canton, on May 28, after a long illness. Her husband, one son and one daughter survive her.

Messrs. P. O'Mara, Warren Bird and Prof. L. C. Elson were guests of the Horticultural Club at its May meeting.

There was a sharp frost in this section on the night of May 28, and market garden crops were generally injured.

H. E. Hartford has failed. Liabilities estimated at $1,237.05; assets none.

In town: Alfred Dimmock, incognito.

Philadelphia.

MEMORIAL DAY TRADE SATISFACTORY BUT NOT INCREASING.—WHOLESALERS BUSY WITH SHIPPING BUSINESS.—PRICES.—CEMETERY PLANTERS RUSHED.—MICHELL TO ENLARGE HIS BUILDING.—RHODODENDRONS IN FINE SHAPE.—VARIOUS DOINGS.

Decoration day, the last floral holiday of the season, was a success from a trade point of view. The weather was perfect, the demand good for flowers and prices satisfactory. The floral feature of the day is not gaining ground in this neighborhood, at least. There are, of course, quantities of flowers used for cemetery adornment, in addition to the regular everyday business, but the demand for this purpose is, if anything, diminishing. The wholesale men say they never were so busy at this time, having to guard every consignment of flowers received, so that shipping orders taken earlier in the week should not remain unfilled. Prices, on account of the out of town demand, jumped up considerably, carnations advancing 50 cents to $1 per hundred. Roses were also moved up a notch or two, $6 to $8 being asked for the best teas and Kaiserins, Beauties selling for $1.50 to $2.50 per dozen. Pæonies were a great help, large quantities selling for from $4 to $5 per hundred. Sweet peas were also in demand at from 300 to 400 for $1. They are in from outside now and are becoming very plentiful. There was an abundance of lily of the valley at $2 to $4, the former for "frame" flowers, the latter for the outside stock. There were but few longiflorums, Mr. Craig, who has made a specialty of these for Decoration day for several years past, not forcing any this season.

The "cemetery florists," those adjacent to the cities of the dead, have had a very busy time. Westcott Bros. and Alhurger, at Laurel Hill, have had all they could possibly do, while the same story is heard from their brethren in other parts of the city. There are now scarcely any bedding plants left for sale, the growers of this class of stock having sold out cleaner than at any time in the past ten years.

H. F. Michell has had a fine business the past season and especially so this spring. He has just closed a contract for a large addition to his already large store. The back building is to be raised four stories, which will bring it on a level with the front part, and then an additional floor is to be built over all. This will almost double Mr. Michell's storage capacity and gave him much needed room for his rapidly growing business.

The rhododendrons in the park are now at their best and are indeed a beautiful sight. Some very fine specimens of Ghent azaleas are also in bloom. Japanese maples, of which there is quite a collection, are also very fine, their new and brilliant colored foliage making them noticeable for a long distance.

June weddings will now keep the boys busy for the next week or two. There are quite a few rather elaborate affairs booked that should use up a quantity of flowers and bring out some new ideas in decorating.

Rupert Kienle has moved a few doors nearer Chestnut street, into the store lately occupied by Alfred Hoag. In his old store he has placed a stock of cigars, to smoke out, so to speak, any would-be competitors.

Albert Knapper has a novelty in the shape of some pots of edelweiss. They are in 3 inch pots, each with a flower and create quite a sensation, particularly with people who have seen them blooming in Switzerland.

Jacob Becker will soon be off to Europe. Azaleas for next year will receive his particular attention, which means something extra fine in his Easter stock in 1901.

K.

St. Louis.

EVERYBODY TIRED OF THE TRADE-STIFLING STREET CAR STRIKE.—NO IMPROVEMENT YET APPARENT.—A GROWER MAKES HIS PILE.—OTHER NOTES.

The street car strike is still on, and in consequence business has not improved over last week. Decoration day has cleaned out considerable cheap stock; otherwise trade is as poor as last reported. This is the twenty-fifth day of the strike and to say that the florists, who are one of many classes, are disgusted with the state of affairs is putting it mildly. The southern and northern portions of town must be reached by wagons, and no one takes the trip either way unless it is absolutely necessary to do so. A few retailers are getting $1.50 to $2 for mixed roses, while the average is 75 cents. Some fine coreopsis is seen, which brings 10 cents to 15 cents. Carnations on the street have firmed up to 15 cents, but this grade can not be compared with that bringing 25 cents in the stores. Cape flowers sell for 5 cents each.

The Eden Floral Company, located at 3838 Finney avenue, is advertising its business for sale at a reasonable figure, as is also J. Van Campenhondt, a grower on St. Louis avenue. The latter says he has made all he wants and wishes to retire to his home in Belgium. Good for him.

The unusual sight of a florist's store without flowers on view is presented this week at the Art Floral Company's place on Morgan street. The windows and counter are tastily decorated with palms and other green goods exclusively.

A well known Washington avenue drug store has been selling flowers at cheap prices. It seems well that there are such outlets for stock that otherwise would be dumped out by many florists and wholesalers.

Young's have on sale lemon lily at $1 per dozen stems. This is a plant of pure yellow color and delightful fragrance.

Strong, well-flowered plants of double feverfew are exhibited in Ostertag Bros.' window on Washington avenue.

M.

PROVIDENCE, R. I.—Miss O'Connor, daughter of Timothy O'Connor, is dangerously ill.

CHELSEA, MASS.—W. E. Hixon & Co. are successors to J. B. Oldreive at 798 Broadway.

NASHUA, N. H.—E. Ray Shaw has become a partner in the firm of Aug. Gaedeke & Co.

FREMONT, O.—A. S. Horn has secured the establishment and business of Joseph Wetzel and will effect a consolidation.

SYCAMORE, ILL.—E. E. Boynton is removing his greenhouses to the vacant property he recently purchased on Sycamore street.

GARRISONS, N. Y.—Hitchings & Co. have contracted to build a fine combination growing house and work room for W. C. Osborne.

PAWTUCKET, R. I.—Robt. Anderson, employed at Oak Grove Cemetery, attempted suicide on Thursday, May 17, by cutting his throat with a razor.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THE grower of bedding material who is not getting profitable prices has only himself to blame this season.

IT is asserted that the prices of small sizes of window glass, under 20-inch, is likely to advance because of shortage in supply.

J. H. TROY, of "The Rosary," New York, informs us that bromeliads were used as floral receptacles in England many years ago.

THE straws which show which way the winds blow seem to all be drifting toward New York at a pace which insures arrival in August.

G. H. CRANE has been, without doubt, the carnation of the year so far as the demand for cuttings goes, and one good grower has kept a record which shows a production of 92.5 cents worth of cut blooms per plant thus far since benching last fall.

The Sweet Pea Conference.

The sweet pea conference and exhibition, in celebration of the bi-centenary of this flower, will be held at the Crystal Palace, London, Eng., July 20 and 21. Papers will be read as follows: "The History of the Sweet Pea," by S. P. Dicks; "The Evolution and Improvement of the Sweet Pea," by J. Eckford and C. A. Curtis; "Classification of Sweet Peas," by W. P. Wright; "Sweet Peas in America," by W. T. Hutchins; "Some New Points in the Cultivation and Decorative Use of the Sweet Pea," by H. Dunkin. The secretary is Richard Dean, Ranelagh Road, Ealing, London, W., Eng., to whom all communications should be addressed.

Copiousness and Consistency.

It is unfortunate that some horticultural writers and writers for the florists' press sacrifice accuracy, consistency, conciseness and all other desirable qualities in grinding out enough drivel to fill a certain amount of space. We are forcibly reminded of this in glancing over the effusions of a gentleman who seems to have a contract to fill two pages and upward weekly—we did not say weakly—in one of our contemporaries. He poses as a final authority on all subjects under the sun, from public policy to private morals. One may derive a deal of quiet amusement from some of his gems of inconsistency if time is taken to extract them from the mass of twaddle in which they are buried. For instance, on May 3, he says: "Instead of leaving experiments to government schools, every greenhouse has its maniac, victim or subject, and the result is pitiable." Now on May 24 he states: "Ours is mostly a trade of experiment and we should not hesitate to indulge in it when planting out."

If any one takes it seriously, this sort of stuff is likely to do great mischief. The first quotation refers more especially to fertilizers, and there can hardly be a more pernicious assertion. Every intelligent and progressive grower is experimenting in this line, carefully, cautiously and on a small scale, to be sure, but continually adapting to his own needs and carrying further the excellent work of the schools, and yet this gentleman must call all such men maniacs. On the other hand if there is any part of the business in which experimenting is reprehensible, it is when planting for some one else. One has no right to take a customer's money and plant anything which he does not know from previous experience will surely be a success. It must be tried on the dog first.

Greenhouse Building.

No. Easton, Mass.—John McFarland, commercial house 17x70, one 27x103.

Whitinsville, Mass.—Mrs. J. S. Whitin, conservatory 25x127, one 31x41. Ed. Whitin, conservatory 24x43.

Brewster's Neck, Conn.—J. T. Peckham, commercial house.

Herkimer, N. Y.—Jas. Barclay, commercial house.

Hyde Park, Vt.—C. A. Knight, conservatory.

Morrisville, Conn.—C. W. Fitch, conservatory.

Philadelphia, Pa.—Fairmount Park, rose house.

Des Moines, Ia.—Iowa Seed Co., four houses.

Marshallton, Pa.—C. W. Loller, one house.

Ashland, Pa.—Mrs. Moutler, commercial house.

Saugus, Mass.—A. Rhodes, house 20x75.

New Haven, Conn.—John H. Slocombe, two violet houses, 12x150.

Bangor, Me.—Carl Beers, four houses.

Louisville, Ky.—Jacob Schultz, range of houses. C. H. Kunzman, carnation house 24x120.

St. Paul, Minn.—R. C. Sieger, three houses 14x200, one 8x200.

Chicago.

STORY OF A VERY BUSY WEEK.—MEMORIAL DAY BUSINESS EXCEEDS EXPECTATIONS AND BREAKS ALL RECORDS.—RED FLOWERS IN GREATEST FAVOR.—SHIPPING TRADE VERY HEAVY.—OUTDOOR ARTISTS TO CONVENE NEXT TUESDAY.—PÆONIES JUST COMING.—VARIOUS ITEMS OF VARYING IMPORT.

There is not a dissenting opinion as to the increasing importance of Memorial day from the florists' point of view. Last year the Memorial day trade eclipsed previous records for the season, and this week the area of totality, as the astronomers said of the little affair of the sun, included every wholesale house in this market, and to say that last year's sales were thrown into shadow means a very great deal. It is true that a large proportion of the business was on shipping orders, but the local buying was rather more than usual. A peculiarity very generally noticed was that the trade, instead of being confined to the second day preceding the holiday, extended over the two days preceding, and Tuesday's sales were very nearly as great as Monday's, which is quite unusual. Of certain kinds of material there was enough and to spare, but of roses, particularly Beauties, Meteors and Perles, there was a marked shortage. In fact, Beauties began to be hard to obtain several days before the demand showed any considerable increase. There were pæonies enough to supply all legitimate trade and leave large quantities of inferior stock for the fakirs, and carnations were in equal supply with the single exception that reds were in such demand that some indifferent material was forced to uses for which nothing but the best will usually suffice. Of the specialties there were all that the market required, cape jasmine, pansies, sweet peas, lilies, corn flowers and others, but pretty nearly everything sold out with a little forcing upon occasion. The only items of which there could be any complaint were white carnations, Harrisii and marguerites. Of course Wednesday wasn't much, but Thursday brought an excellent business, and on the whole this week has been eminently satisfactory.

The indications point to an eminently successful meeting of the American Park and Outdoor Art Association, at the Art Institute next week Tuesday, Wednesday and Thursday. The gentlemen in charge have assurances of an attendance which will be representative of the outdoor artists of the country, and a sufficient sum has been contributed by friends of the work to insure a satisfactory entertainment. Not the least of the pleasurable features of the programme are the opportunities afforded of visiting some of the parks and other places where examples of the horticultural progress of the middle west are to be seen.

Last year the only pæonies in this market for Memorial day were those held in cold storage. This year they are just beginning to come in, the local growers having thus far cut only a few, and those the early red. They were sold by thousands this week.

Cannas are in strong demand again this season. The favorites, like Leonard Vaughan, Egandale, Chicago and Mme. Crozy have been sold out for a month; 2½-inch stock has retailed at $1.50 and 4-inch at $2 per dozen.

J. A. Budlong reports as a marked feature of the season's trade in rose plants that Meteor is little in demand, and yet Meteor roses have been at a premium in this market almost all winter.

E. E. Pieser says that there were more flowers in this market on Monday and Tuesday of this week than in any two days of the years that have gone before.

Bassett & Washburn state that May 29, 1900, has gone on record as the day upon which they shipped the greatest number of boxes of cut flowers in their business experience.

George Reinberg is pretty well sold out of carnation cuttings, in which he has done a big business this year, but is still shipping a great deal of rose stock.

Gus Lang is making something of a success of the plant business down town. Just now it is a lot of young rubbers which he is displaying.

From present indications there will be Harrisii all the year around this time, Poehlmann Bros., among others, having a good many yet to come.

F. F. Benthey is wiring his establishment for electric light preparatory to a thorough cleaning up.

W. E. Lynch has been attending to business during the past few days, though

still weak from the effects of his recent attack of pneumonia.

A. L. Vaughan reports good business in bulbs, but says the season closed much earlier than usual.

McKellar & Winterson are equipped with a nice line of commencement specialties.

A. De Thier succeeds James Jensen as superintendent of Humboldt Park.

New York.

SUPPLY SHORTENED AND PRICES WELL MAINTAINED.—MEMORIAL DAY TRADE NOT REMARKABLE BUT GOOD.—MARKET WELL UNDER CONTROL.

Cool weather for the past week has shortened up the cut flower product; consequently there has not been an overabundance for the Decoration day supply. While the high-class trade has been anything but brisk, still the general demand has been sufficient to keep the market pretty well cleaned up, so that at present writing wholesalers' ice boxes are empty, except for odds and ends. A fair percentage of roses that can be classed as good for the season are coming in, and these are disposed of readily at fair figures. The cut of American Beauties has shortened up within the past ten days and of those received a large proportion are imperfect. When passable, they sell fairly well this week. Carnations had been going at from 50 cents to $1 50 per hundred up to the day preceding Decoration day, when they advanced to $1.50 and $2.50 for such varieties as Scott, White Cloud, Hill and red varieties. Fancy sorts are not in sufficient demand to bring very much more. The supply of Jacqs and Brunners is insignificant. Harrisii lilies have advanced to $6 and $8 under the pressure of the holiday demand. There is the usual quantity of snowballs and other outdoor flowers in market, but they are not wanted. Pæonies are in and bring from $6 to $8 when in good condition. Decoration day trade is generally reported as good by the wholesalers, owing to light shipments, whereby the market has been kept under control and steady conditions maintained.

The first summer exhibition of the American Rose Society will be held in the winter garden of the Eden Musee on June 12, 13 and 14. Many valuable special premiums are offered. Schedules can be procured from Leonard Barron, secretary, 136 Liberty street, New York.

Plant trade has been excellent all the spring and has been unprecedented this week. Price seems to cut little figure with the buyers so long as the quality is right.

I. Eisenberg, of Steinway, Long Island, was before the magistrate last Monday morning, charged with cruelty to a horse.

David Ward, father of C. W. Ward, of Cottage Gardens, died at Pontiac, Mich., May 29.

August Rhotert will sail on the Fuerst Bismarck on June 28, for Europe.

Messrs. Hodgson and Siebrecht went to Newport this week.

Alfred Dimmock sails on June 9.

Visitors: T. J. McRonald, Hartford, Conn.; Wm. Fell, Hexham, England.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. W, care American Florist.

SITUATION WANTED—By a first-class carnat'on grower; willing to work; 8 years' experience. References State wages Address MARION MORGAN, Clarksville, Tenn.

SITUATION WANTED—By man and wife, to take entire charge. Man is a grower and wife floral designer Man strictly temperate. Good recommendations. Write for full particulars. Address SMYTHE, care American Florist.

SITUATION WANTED—By thoroughly reliable, all-around grower; German; married. Life experience; competent to fill any position—private, commercial or institution. Understands vegetables under glass. A1 references. Address FLORIST 3456, care Am. Florist.

WANTED—A boy from 15 to 18 years of age, as apprentice in my greenhouses. JOS. LABO, Joliet, Ill.

WANTED—A young man for store and greenhouse. Send references to H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—A few good men as assistant rose growers and helpers Apply to BASSETT & WASHBURN, Hinsdale, Ill.

WANTED TO RENT—A place in good condition, of from 4000 to 6000 feet of glass. Address SCOTCH, care American Florist, Chicago.

WANTED—Boy to learn the greenhouse business of growing roses and carnation. In answering state age. Address JNO. WYLAND, De Haven, Pa.

WANTED—Two young men, able to take charge of a range of rose houses. Must be experienced men. References. Apply to EMIL BUETTNER, Park Ridge, Ill.

WANTED—Gardener that thoroughly understands the growing of plants for store trade. State wages, and address at once, with particulars. WILLIAMS BAY FLORAL CO., Williams Bay, Wis.

FOR SALE OR RENT—Six greenhouses, dwelling. Bargain. W. L. WINN, White Hall, Ill.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Greenhouse plant, 25 000 feet of glass; place as good as new, 2½ acres of land with good dwelling house, barn, etc.; 14 miles from court house, Chicago. W L, care American Florist, Chicago

FOR SALE—10,000 feet of glass. steam heating, water works, ground and office; all complete and in running order, in city of 200 000; next to main entrance to largest cemetery; best of trade. Best reason for selling. Some cash required. Address M M. care American Florist.

FOR SALE CHEAP—On account of ill health, three greenhouses, one 20x50 feet, two 12x50 feet, with fine business, in a thriving city of 15 000 inhabitants. Hot water system. Houses to be moved A splendid chance for a live man to make money. Small competition. Address 105 Linn Street, Janesville, Wis.

FOR SALE.

A rare opportunity to one with capital; a greenhouse establishment, well stocked, of 9000 feet of glass, including large office; centrally located; built three years ago, with latest improvements; city of 50,000 inhabitants, located in Colorado—great health resort. No competition. Large factories with pay rolls of $400,000 to $500.000 per month. Good reason for selling. $6000 cash or in payments. Inquire if you mean business, **J O Z, care Am. Florist, Chicago.**

For Sale

Three Greenhouses, 20x80 each, two short span to south, one even span; steam heat, five years old, best cypress material, stocked with plants, etc. Possession given immediately, houses to be moved. Good town, 5000 people. Sell altogether only. Write for particulars. . . . . .

JOHN LIEBER, Maryville, Mo.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,

846 New York Life Bldg. KANSAS CITY, MO.

A GREAT BARGAIN. 16,000 square feet of glass in 8 houses, 5 new, 3 old. Located in a city of more than 126,000 inhabitants, fronting the best known cemetery in the state, where 55,000 are buried. Same place sold March 1st, 1897, for $10,000.00, with two less houses than at present. Adjoining property sold March 1st, 1900, at $22.50 per front foot. Will sell ⅓ or ½ interest to the right party, a thorough florist preferred. Will give more particulars in regard to heating, ventilating, etc., in fact a complete diagram of same by writing. Address, BARGAIN, Care Am. Florist, Chicago.

FOR SALE at a great sacrifice

STOCK OF PLANTS AND SIX GREENHOUSES with latest improvements, steam heat, etc.; opposite cemetery, large ground fronting main street in prosperous town close to Chicago; street car passing the door; best opportunity to secure excellent investment and well-paying business. Reason for selling, owner going to Europe.

S. Schallman & Co., Room 1204, 138 Wash. St., Chicago

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's **Florist**, care Am. Florist.

LARGE GREENHOUSES and FLORAL BUSINESS FOR SALE AT A BARGAIN.

Centrally located in a flourishing and growing city of nearly 150,000 people. The leading house in that line within a radius of 200 miles. A large and fine trade with the best class of customers. No house has a better reputation. No debts of any kind. This plant is offered for sale at a great bargain because the proprietors have gone into other business. Address for particulars,

Q & C, care of this paper.

Who Wants Them ?

8,000 to 10,000 lights **DOUBLE THICK GLASS,** 16x24, at $2.75 per box, (actual value $3.75 to $3.90 box.)

One 40 H. P. **HORIZONTAL BOILER** in good condition. Price $150.00.

200 red cedar posts, a lot of sash bars, ventilators, rods, sills, etc.

All the above are in good condition, and can be put on track promptly at Lansdowne station, P. W. & B. (6 miles from Philadelphia.)

I purchased them at the sale of the **CONNOR PLACE** here, cheap, and will sell again at a bargain. Call or write.

W. L. REMENTER,

FLORIST. LANSDOWNE, PA.

FOR SALE

The Morris Floral Co., Morris, Ill., 61 miles west of Chicago, doing a retail and wholesale business; incorporated 1897; 20.000 feet of glass, doing a business that increases every year; the increase over 1899, was $1,282.61 up to April 1, 1900. The reason for selling is that A. Mitting, Secretary and Manager, is retiring and there is no one else in the company who understands the florist business. The property includes six acres of land, two houses and barn; everything up-to-date; boiler capacity equal to 40,000 ft. of glass; all new 1897; cannot be built to-day for less than $20.000. Terms $3,000 cash, balance good paper. Sold by bids to highest bidder. All bids must be in before July 1. If you mean business come and see us.

A. MITTING, Sec'y, Morris, Ill.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a fine dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

Oakland, Cal.

The Deutcher Gartner-Verein Hortensia held its annual outing in the hills near San Leando on May 27 and the members enjoyed themselves to the uttermost. This is a recently organized society formed by the horticulturists of the vicinity for the purpose of attaining a greater degree of perfection in the various branches, and to cultivate sociability. The membership includes a goodly number of the able and intelligent men of the craft and all proficient florists, nurserymen, orchardists and landscape gardeners of good character are welcomed to its ranks. The officers are: President, Henry Maier; vice-president, Eugene Burgle; treasurer, Albert Mally; secretary, John Lux.

HARTFORD, CONN.—Geo. G. McClunie has opened a new store at 77 Pratt street.

Wholesale Flower Markets

CINCINNATI, May 31.

Roses, Beauty, select	5 00
" " medium	3.00
" Bride	3.00@ 5.00
" Bridesmaid	3.00@ 5 00
" Meteor	3.00@ 5.00
" Perle	3.00@ 4 00
Carnations	1 00@ 1 50
" fancy	2 00@ 3.00
Lily of the valley	3.00
Gladiolus	4.00@ 5.00
Callas	8.00@10.00
Stocks	2 00
Sweet peas	.50
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.20
Asparagus	50.00

ST. LOUIS, May 31.

Roses, Beauty, short stems	4.00@ 8.00
" " medium	10 00@20 00
" " fancy	25.00@35.00
" Bride, Bridesmaid	3.00@ 5.00
" Meteor	3 00@ 5 00
" Perle, Wootton	2.00@ 3.00
Carnations, common	.75@ 1.00
" fancy	1 50@ 2.00
Peonies	3.00@ 5.00
Sweet peas	.35@ .50
Callas	6 00@ 8.00
Harrisii	6.00@ 8 00
Smilax	12.50@15.00
Adiantum	.60@ 1.00
Asparagus	15.00@50.00

MILWAUKEE, May 31.

Roses, Beauty, long, per doz.	2 00@3 00
" " medium " "	1 50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	3.00@ 4.00
Callas	8.00@15 00
Harrisii	12.50@15.00
Mignonette	2.00@ 3.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, May 31.

Roses, Beauty, fancy	20.00@25.00
" " extra	12.00@15 00
" " No. 1	8 00@10.00
" " culls	3.00@ 5 00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	3.00@ 6.00
Cusin	2.00@ 4.00
Carnations, ordinary	.50@ 1.25
" fancy	1 50@ 2.50
Lily of the valley	2 00@ 4.00
Harrisii	6.00@10.00
Sweet peas	.25@ .75
Pansies	.25@ .50
Daisies	.50@ 1.50
Mignonette	.75@ 1.50
Smilax	12 50@15.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00

DENVER, May 30.

Roses, Beauty, select	25.00@35.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	6.00@ 7.00
" Meteor	5.00@ 6.00
" Perle, Wootton	5.00@ 6.00
Carnations, ordinary	2.00
" fancy	2.00@ 3.00
Lily of the valley	4.00
Callas	12 50
Harrisii	12.50
Daffodils	4.00
Sweet peas	.50@ .75
Asparagus	50.00
Smilax	20.00
Ferns	.30
Galax leaves	.20

Orchid Flowers.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

Shipments made direct from greenhouses, insuring fresh and perfect blooms.

N. B. It is particularly requested that the stock here offered be not confused with similar stock offered by commission dealers at lower prices, which has been shipped from New York. Rosebank Orchids are never sold through commission dealers.

CATTLEYAS
(IN VARIETY)
$6.00 per Dozen.

Everything in the CUT FLOWER line.

WIRE WORK, the kind that will give satisfaction.

and a complete line of FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

FLOWERS of ALL DESCRIPTIONS
For Commencement Exercises and June Weddings.
C. C. POLLWORTH CO., Milwaukee, Wis.

....AN....
Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

SUCCESSFUL SELLERS
are the successful growers who advertise in THE AMERICAN FLORIST

J. B. DEAMUD,

51 WABASH AVE., CHICAGO.

CURRENT PRICES.

Send your order in early. We shall have an abundance of all kinds of flowers.

Headquarters for PÆONIES.

CATTLEYAS, $4.00 per Dozen.

	Per Dozen.
BEAUTIES, short	$1 00
" medium	1.50 to 2.00
" long	2.50 to 3.00
	Per 100
BRIDES and MAIDS	$3.00 to $4 00
METEORS	3.00 to 4.00
PERLES	2.00 to 3.00
KAISERINS	2.00 to 4.00
" very fancy	6.00
CARNATIONS, assorted	1.00 to 1.50
" fancy	2.00 to 3.00

	Per 100
PÆONIES	$3.00 to $5.00
LIL. HARRISII	8.00 to 10.00
CALLAS	8.00 to 10.00
FORGET-ME-NOT	1.00
VALLEY	4 00
FERNS, Per 1000 $1.50	.20
ADIANTUM	.50
SMILAX, Per doz. $2.50	20.00

☞ Prices subject to change without notice.

McKellar & Winterson's

Modern Supply House.

We have a fine assortment of

BASKETS suitable for **SCHOOL CLOSINGS**

and offer same at greatly reduced prices.

Special attention given to assortments, $5.00, $10.00 and up. Parties leaving selection to us will be sure of getting nothing but strictly good standard styles, as we have no other.

Give us your order now together with your needs in

CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.

500,000 FEET OF GLASS.

Headquarters for American Beauty. Carnations, Blooms and Cuttings.

51 Wabash Ave., - CHICAGO, ILL.

Please mention the American Florist when writing.

WEILAND & RISCH

We are large Growers and Shippers of CUT FLOWERS

ALL THE NEW VARIETIES.

YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, June 1.

Roses,	Beauty,	extra long stems	3.00
"	"	30 inch "	2 50
"	"	24 " "	2.00
"	"	20 " "	1 50
"	"	15 " "	1 25
"	"	12 " "	1.00
"	"	8 " "	.75
"	Bride, Bridesmaid		3.00@ 5 00
"	Perle		2.00@ 4.00
"	Meteor		4 00@ 6.00
"	La France		4 00@ 5.00
"	Golden Gate		6.00@10.00
Carnations			1.00@ 1.50
"	fancy		1.50@ 2.00
Lily of the valley			3.00@ 5.00
Mignonette			2.00@ 6.00
Narcissus			2 00@ 3 00
Harrisii			8.00@10 00
Callas			8.00@10.00
Tullips			4.00@ 6.00
Sweet peas			1.00@ 2.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			12 50@15.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST.

64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St

Please mention the American Florist when writing.

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:30 A. M. TO 10:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, JOBBERS IN FLORISTS' SUPPLIES

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. McFarland

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,

CHICAGO.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, May 30.

Roses, Tea	2.00@ 4.00
" " extra	4.00@ 6.00
" Beauty, extra	15.00@25.00
" " firsts	8.00@15.00
Carnations	.75@ 1.00
" fancy	1.50@ 2.50
Lily of the valley	2.00@ 4.00
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	.75@ 1.00

BOSTON, May 30.

Roses, Beauty, extra	15.00@25.00
" " medium	8.00@10.00
" " culls	3.00@ 6.00
" Bride, Bridesmaid, Meteor	3.00@ 4.00
" extra	6.00@10.00
" Brunner	8.00@12.00
Carnations, white	2.00@ 3.00
" colored	3.00@ 4.00
Lily of the valley	1.00
Longiflorums	10.00@12.00
Astilbe	2.00@ 2.50
Sweet peas	.50@ .75
N. Poeticus	.50@ 1.00
Stocks	1.00@ 2.00
Mignonette	1.00@ 2.00
Smilax	12.00@15.00
Asparagus	50.00
Hardy ferns	.20

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET,

ST. LOUIS, MO.

A complete line of Wire Designs.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

5515 Fifth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets. Solicited.

J. M. COHEN, Florist,

Telephone 2385.

CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
JUNE SPECIALTIES. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

GHORMLEY & PERKINS,
Wholesale Commission Florists,
New and Commodious Establishment at 57 West 28th St., NEW YORK.
Prepared to handle large or small consignments of cut flowers to growers advantage
Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets & Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, May 29.

Roses, Beauty select	15.00@	25.00
" " medium	6.00@	10.00
" " culls	2.00@	5.00
" Bridesmaid, Bride, Meteor	2.00@	5.00
" " Select	6.00@	8.00
Carnations	1.50@	2.50
" fancy	2.50@	3.00
Lily of the valley	1.00@	2.00
Mignonette	1.00@	2.00
Sweet peas	.50@	1.00
Paeonies	6.00@	8.00
Harrisii	6.00@	8.00
Cattleyas	30.00@	40.00
Smilax	8.00@	12.00
Asparagus	25.00@	35.00
" Sprengerii, per doz. bunches	1@	1.50
Adiantum	.50	.75

BUFFALO, May 31.

Roses, Beauty	15.00@	20.00
" Bride, Bridesmaid, Meteor	3.00@	8.00
" Perle, Niphetos	3.00@	5.00
" Kaiserin	3.00@	8.00
Carnations	1.00@	2.00
Lily of the valley	3.00@	4.00
Violets, outdoor		.75
Sweet peas	.75@	1.00
Harrisii		8.00
Callas		8.00
Tulips		1.50
Smilax	15.00@	20.00
Adiantum	1.00@	1.50
Hardy ferns, Galax leaves	.20@	.25
Asparagus	50.00@	75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Say: "Saw it in the FLORIST"

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. Wholesale Florist.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE.

There Are Buyers
For all kinds of good stock advertised in.....
THE AMERICAN FLORIST

J. K. ALLEN'S
POPULAR WHOLESALE CUT FLOWER HOUSE
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.
Tel. 421 Madison Squa .....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Prés; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE Wholesale Seed Merchants' League will meet in Chicago June 15.

W. TAAT, representing M. Van Waveren, Hillegom, Holland, was at Portland, Me., May 26.

W. H. METSON and Charles P. Braslan, of San Francisco, are spending a three months' vacation at Cape Nome, Alaska.

L. L. MAY is, according to a local paper, slated for appointment on the police board of St. Paul by the Mayor-elect.

THE annual meeting of the American Seed Trade Association will be held at the Grand Pacific Hotel, Chicago, June 12 to 14.

ROCKFORD, ILL.—R. H. Shumway has just paid $12,000 for one of the most desirable residence properties in this city as a gift for his son, R. H. Shumway, Jr.

IN the nine months ending March, 1900, seeds to the value of $1,558,792 were exported from the United States to Germany against $798,450 during the corresponding period last year.

CHARLES A. HEATH, of the Albert Dickinson Seed Company, Chicago, sails on the S. S. Etruria to-day (June 2) for an eight weeks' sojourn in Europe. Mrs. Heath and child accompany him.

PARIS.—Recent visitors to the exposition include Lem. W. Bowen, of D. M. Ferry & Co, Detroit, Mich.; J. B. Agnew, of Agnew, Cal.; and B. F. Brown, of the Brown Bag-Filling Machine Co., Fitchburg, Mass.

SOUTHINGTON, CONN.—Dennis Lamb has sold out his interest in the greenhouse business to his partner, Walter Matthews.

PORT CLINTON, OHIO.—D. W. Payne is firmly convinced that coil boilers are the most economical for small greenhouse establishments.

LA CROSSE, WIS.—Charles E. Schafer read an excellent paper on carnations at the last meeting of the Florists' Club. John Hauser also contributed some of his experiences with bedding plants.

CAMDEN, N. J.—A fire on May 13, which destroyed the Farmers' Market, ten stores and many dwellings, involved L. M. Mower and inflicted a loss of $3,000. The total loss is estimated at $125,000.

NEW HARTFORD, N. Y.—E. T. McQuivey suffered a severe loss by fire May 21. A barn adjoining his property was fired by incendiaries and the nearest greenhouse was totally destroyed with all its contents.

NEWBURYPORT, MASS. — Hitchings & Co. are about to erect for F. S. Moseley a range of conservatories, including a rose house, plant house, carnation house, propagating house, work room and boiler cellar.

WANTED.

Experienced seedsman to take full charge of vegetable and flower seed department of western seed house. Good salary and position for right man. Must be able to furnish first-class references. Address immediately, giving full particulars,

"Western," care Am. Florist, Chicago, Ill.

SEASONABLE SEEDS, PLANTS & BULBS.

Tuberoses, No. 2 Double Pearl, Fine Bulbs, 30c per 100, $2 50 per 1000.
Canna Robusta Perfecta, fine, large Bulbs, 60c per dozen, $4.00 per 100.
Oxalis, Summer Flowering, 7c per dozen, 15c per 100, $1.00 per 1000.
Begonia Rex Plants, named sorts in 2½-in. pots, just ready for a shift; $5.00 per 100.
Calceolaria, James' Giant; per packet, 25c.
Mignonette, Allen's Defiance; large trade packet, 20c., per oz., 75c.
Primula, Johnson & Stokes' Prize Mixed, 25c per 100 seeds.
Pansy, Johnson & Stokes' Kingly Collection, comprising Bugnot, Cassier, Trimardeau, etc.; 1000 seeds, 25c.; per oz., $5.00.

Write for quotations on Roman Hyacinths, Narcissus (Paper White) and Dutch Bulbs.

JOHNSON & STOKES, 217-219 Market St. **Philadelphia.**

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

LOW PRICES on BULBS & PLANTS

Amaryllis Equestre, $4 per 100; A. Formosissima, $3; A. Johnsoni, $15; A. Vittata, $20. **Anemones** for fall blooming, $1. **Begonias,** single, $2 50; double, $4. **Callas,** Spotted, $2; Little Gem $2.50, Fragrance $10, Yellow $25, Black $10. **Caladium Esculentum** 5 to 7 $2, 7 to 9 $4, 9 to 12 $7. **Cannas,** mixed, $1.50; named, $2 up. **Crinums,** $7. **Dahlias,** mixed, or to color, $4; fine named sorts, Cactus or others, $5 per 100. **Gladioli,** 2d size, $4 per 1000. **Gloxinias,** $3. **Hyacinthus Candicans,** 50c to $1. **Iris Germanica,** $1.50. **Ipomœa Pandurata,** $3. I. Mexicana, monsters, $30. **Lilium Auratum,** $5. L. Album, $6; L. Superbum, small, $1.25. **Maderia Vine,** 60c. **Montbretias** $1. **Oxalis** $1 per 1000. **Tigridias** $1.50. **Tuberoses,** 1st size 75c, 2d size 30c. Milla, Bessera, Cyclob, $1 per 100.

PLANTS. Asparagus Sprengeri, $3.50 to $20. Astilbe Chinense new, fine, $10. Begonia Duke Zeppelin, $10. Hibiscus new sorts, $10. Lace Fern, $5. Baby Primrose, $2.50. 2 new Salvias, $8. Tropæolum Phœbe, $6. The Edelweiss, soon to blooom, $6. Myosotis Sutton's Gems in bud, 3 colors, white, blue, pink, $4 per 100. The Hardy Chinese Begonia, sweet scented pink flowers, leaves olive and red; 8 by 10 inches!! grand, $6 per 100. New Begonia Gracilis, finest pink bedder, $6 per 100. Japan Morning Glory Seed, finest strain, $1 per lb., 10c per oz. Not less than 25 of any kind at 100 rates.

A. BLANC & CO., Philadelphia, Pa.

ROEMER'S Superb Prize Pansies

The finest strain of Pansies in the World.....

INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award Inter. Exhibition at Hamburg, 1897. Catalogue free on application.

Fred. Roemer,

Seed Grower, QUEDLINBURG, GERMANY.

Forcing Bulbs

Import Price List

JUST ISSUED.

A postal card will start it, and you will find therein many things of interest.

VAUGHAN'S SEED STORE,

CHICAGO. NEW YORK.

20,000 FREESIA BULBS

for sale CHEAP. Also 20,000 ASPARAGUS PLUMOSUS SEED, crop of 1900.

COTTAGE NURSERY, San Diego, Cal.

There are buyers for all kinds of stock advertised in the American Florist.

ESTABLISHED 1802

THORBURN'S SEEDS

Florists are invited to send for our quotations on

FORCING BULBS,
ROMAN HYACINTHS,
LILIUM HARRISII,
LILIUM LONGIFLORUM,
Etc., Etc.

We are large importers of HIGH CLASS BULBS.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple each	.25	.75

☞ Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans, Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address

H. H. BERGER & CO., (Est. '78) 47 Barclay St., N.Y.

ACALYPHA SANDERI

3½-inch pots, $8.00 per 100.

BOSTON FERN

$5.00 per 100.

The CONARD & JONES COMPANY,

West Grove, Pa.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

	Per doz.
Beauties, long	$3.00 to $4.00
" medium	2.00 to 3.00
" short	.75 to 1.00
	Per 100.
Perle	3.00 to 4.00
Bride, Bridesmaid	3.00 to 6.00
Meteor	3.00 to 6.00
Roses, our sel., ass't.,	3.00
Carnations, extra select fancy	2.00 to 2.50
Fancy stock	1.25 to 1.75
Medium Grade	1.00 to 1.50

KENNICOTT BROS. CO. agreed to break the record and did so, filling every order received for Decoration Day, Meteors and Perles being the only things that were a trifle short.

KENNICOTT BROS. CO.

42 and 44 East Randolph St., CHICAGO, ILL.

CUT FLOWER PRICE LIST.

	Per 100
Smilax	$15.00 to $18.00
Callas and Harrisii	10.00
Daisies	.50 to 1.00
Mignonette	1.00
Lily of the Valley	2.00 to 3.00
Alyssum	.25
Sweet Peas	.40 to .75
Paonies	3.00 to 5.00
Corn Flower	.40

Common Fern, 25c per 100, $2 pr. M.

This year's customers must be ours next year. The VALUES we give are our best advertisements.

LAKEVIEW ROSE GARDENS,

Wholesale Growers,

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR **Cut Flowers.**

NEW DEUTZIA GRACILIS ROSEA, PHILADELPHUS MONTEAU D'HERMINE, from 2½-inch pots.

Hardy Herbaceous Perennials our Specialty.

Send for price list. **NORWOOD NURSERIES,**

Rea Brothers. NORWOOD, MASS.

SMILAX.

From flats, by mail.....50c per 100; $4.00 per 1000
" " 2-inch.....$1.50 " $13.00 "
Hydrangeas, 5-inch pots.....$3.00 per doz.
" 4-inch pots..... 2.00 "
" Rooted cuttings, $1.25 per 100; $10 per 1000
Large flowering Canna roots.....$1.00 per 100
Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

READY FOR THE FIELD.

LARGE Stock of **CARNATIONS** FROM SOIL.

Write for prices on what you want.

Geo. Hancock & Son Grand Haven, Mich.

THE AMERICAN FLORIST COMPANY'S

TRADE DIRECTORY

FOR 1900

IS NOW READY FOR DELIVERY.

The lists of FLORISTS, NURSERYMEN and SEEDSMEN of the United States and Canada, arranged both by States and Towns and alphabetically, are corrected up to date, and in addition there are the following valuable and absolutely

NEW FEATURES:

GARDENERS OR SUPERINTENDENTS OF PRIVATE ESTATES,
EXPERIMENT STATION HORTICULTURISTS,
HORTICULTURAL SUPPLY CONCERNS, & & LANDSCAPE ARCHITECTS.

This indispensable volume of 387 pages, strongly bound in boards, is delivered post paid upon receipt of $2.00.

AMERICAN FLORIST CO.,

324 Dearborn St. *CHICAGO, ILL., U. S. A.*

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

J. H. WYLIE, of Interlachen, Fla., is planting an orange nursery for Charles Francis.

VEITCH'S new double flowering cherry is said to be quite the finest of all the double Japanese cherries.

THE Missouri State Horticultural Society, winner of a first prize for apples at the Paris Exposition, will hold its summer meeting at Chillicothe, June 5 to 7. The programme will be a good one.

THE annual meeting of the Park and Outdoor Art Association will be held at the Art Institute, Chicago, next week, June 5 to 7. The Auditorium Annex has been chosen as the official headquarters of the association.

Detroit.

MEMORIAL DAY BROUGHT UNEXPECTED ACTIVITY.—STOCK RATHER SHORT TO MEET INCREASED DEMANDS.—PROSPECT FOR A GOOD PARTY FOR THE CONVENTION. —DOINGS OF THOSE IN THE TRADE.

Decoration day brought a rush of business much greater than was expected. Flowering plants of all kinds, from the small ageratum to lilies and hydrangeas, found a ready sale. Shipments from local florists to points throughout the state were certainly greater than ever before on a similar occasion. Pæonies, so useful for showy effects, owing to the lateness of the season, were not available, and carnations and roses were heavily drawn upon to supply the popular demand for cut flowers. Most growers' carnations were heavy in crop but were easily disposed of at the good prices that have prevailed here all this season. Roses, too, are abundant, but so far there has been no considerable surplus; however, the local supply is fully sufficient to meet the demand except for Beauties. The cold weather up to the present time has greatly delayed outside planting and the season will be necessarily short for such work, but orders are coming in fast and it is quite certain that the amount of planting will be equal to if not greater than last season.

Interest in bowling is now very active, regular practice nights bringing out all the aspirants to high scoring and the team will soon be selected to go to New York in August. But others besides the bowlers are already making plans to attend the convention and it is safe to say that a very satisfactory number will attend from this town and vicinity.

Chas. Schwible will soon remove to a larger store a few doors above his present place, where he will have all the facilities of an up-to-date establishment, including a large conservatory in the rear, heated with hot water.

The Michigan Floral Co., of Brighton, has sold its stock and leased the three greenhouses to the Lakeview Co., composed of C. E. Cole and Chas. A. Kaischen, of Detroit. Wm. Gray, formerly of this city, is at present in charge of the place, which will be enlarged and improved this summer and devoted to carnations and roses.

Robt. Flowerday is at home again from Europe and reports a very interesting and pleasant trip.

Harry Balsley has been reappointed park commissioner and is president of that board. J. F. S.

St. Paul.

SHORTAGE IN THE SUPPLY OF GOOD BEDDING PLANTS.—WELL GROWN PLANTS EASILY BRING GOOD PRICES —MEMORIAL DAY AND COMMENCEMENT SEASONS BUSY. —GARDEN FLOWERS NEARLY DONE FOR. —SIEGER BUILDING A BIG ADDITION.— NOTES OF HIS DEVICES.

The shortage of good bedding stock is becoming more apparent. Choice geraniums especially are very scarce and the best plants are worth $10 per hundred at wholesale. There is plenty of inferior material on the market, for many growers, in their eagerness to grow as many plants as possible, have crowded them too closely, with the inevitable result of a lot of drawn up, scrawny plants that will never become first-class. Good stock, whether it be in cut flowers or plants, will always command good prices and will do more toward destroying "ruinous competition," so-called, than all combinations of growers and retailers possibly can. A good article will always sell on its merits.

The hot weather has brought all blooms out with a rush and first-class cut flowers are really scarce. In roses, Kaiserins are very nice, while some very good Brides and Meteors are being cut. Bridesmaids, however, show the effect of the heat. Carnations are quite plentiful and some very nice blooms are still to be had. The demand for cut flowers has been very brisk and is increasing daily. The school commencements throughout the northwest have already begun and every little town where sweet girl graduates dress in gauzy white calls for its quota from Flora's kingdom and helps to fill the florists' coffers. For Memorial day the demand was heavy. Lilacs and snowballs were all gone and pæonies not yet opened in this section. Cape jasmines from the sunny south and roses and carnations constituted the great bulk of the stock.

R. C. Sieger is erecting quite an extensive addition to his plant. His three houses have been lengthened to 200 feet each and he will soon begin the erection of four more, each 200 feet long, three of them being fourteen feet wide, the other eight feet. Some of the houses will be short-span-to-the-south, others even-span. Mr. Sieger is a firm believer in the short-span system but raises the gable higher than most builders and gives the north span a steeper pitch. By placing two benches in the center and a narrow one on the north side he claims all plants will receive the same amount of sunshine, even in the shortest days. He uses butted glass, 14x16, the rafters being square, without grooves for the drip. He says that these grooves become more or less clogged anyway and in time cause the rafters to rot. This entire range will be devoted to roses, carnations and violets. American Beauty, Liberty, Bridesmaid and Bride will be grown in winter, Kaiserin, Carnot, Meteor and Beauty in summer. In carnations he will put in White Cloud, Flora Hill, Mrs. Bradt, Triumph, Jubilee, Tidal Wave, Daybreak and G. H. Crane. Mr. Sieger's roses have long been known as among the finest brought to this market.

We were visited by quite a storm May 13, almost cyclonic in character, accompanied by hail. The heaviest losers were the Warrendale Floral Co., Christ. Hansen and L. L. May & Co., all suffering by hail. The Warrendale Co. and May & Co. had hail insurance but Hansen had dropped his. FELIX.

OAKS 10,000 **Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.**

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Please mention the American Florist when writing.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

New Deutzia Lemoinei,
2½-in. pots..... $3.00 per 100
Spiræa Anthony Waterer,
2½-in. pots..... 2.00 "
Dracæna Indivisa,
3½-in. pots..... 7.00 "
4½-in. pots..... 12.00 "

JACOB THOMANN,
314 N. Goodman St. ROCHESTER, N. Y.

CLEMATIS. LARGE FLOWERING.

In 20 splendid kinds, from pots outdoors; sure to succeed. 25c each; $2.50 per dozen.

Strong young plants of above unrivalled collection, $1 doz.; $8 per 100, free by mail or express.

C. PANICULATA, fine young plants 75c per doz.; $4.00 per 100. All will make first-class, salable stock by fall.

F. A. BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

HARDY ROSES

Strong two-year-old plants, in all the best varieties.

Hollyhocks, Phlox, Paeonies,
Pyrethrums, Pansies,
Specialties.

SEND FOR CATALOGUE.

M. H. WALSH

Gardener to the late Mr. Jos. S. Fay. Woods Holl, Mass.

Please mention the American Florist when writing.

Roses Extra Strong stock from 2½-inch pots.

Splendid assortment of hardy sorts.
Send for price list.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

PRICE LIST.

ROSES.

Beauties, long	per doz,	$3.00—
" medium	"	1.50—$2 00
" short	"	1.00—
Brides and Maids	per 100,	4.00— 5.00
Meteor	"	4 00— 5 00
Perles	"	4.00—
Roses, seconds	"	3.00—

CARNATIONS.

Standard sorts, select	per 100,	$1.50—
Fancy,	"	2.50—

MISCELLANEOUS.

Pæonies	per doz.,	$ .50—
Harrisii	$10.00 per 100,	" 1.25—
Callas		" 1.50—
Mignonette		" .25—
Forget-Me-Nots, $2.00 per 100,		" .25—
Valley	per 100,	3 00—
Sweet Peas		" .50—
Marguerites		" .50—
Cape Jasmines		" 2.00
Pansies		" .50—
Cornflower		" .50—

DECORATIVE.

Asparagus	per string,	$ .50—
Galax, green and bronze, per 1000, $1.50	per 100,	.20
Ferns	$2.00 per 1000,	" .25
Ferns, Maiden Hair, choice		" .75—
Smilax	per dozen,	2.00—

Extra select and inferior qualities charged for according to value.

E. C. AMLING

Wholesale Cut Flowers.

32-34-36 Randolph St., CHICAGO.

WALTER S. HEFFRON, MGR.

CARNATIONS OUR SPECIALTY.

ALL SEASONABLE FLOWERS. "P. & D." AT COST.

Use the Code.

Quotations are subject to change without notice. Regardless of prices quoted all stock will be billed at lowest market rates.

We are Chicago Sales Agents for E. G. Hill & Co.'s Choice Flowers.

Ampelopsis Veitchii

DORMANT PLANTS.

Extra strong and heavy,

3 feet at $15.00 per 100.
2 feet at $10.00 per 100.

Vaughan's Seed Store

84 and 86 Randolph St., CHICAGO.

Please mention the American Florist when writing.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

IVORY 'MUMS

Fine stock, 2½-inch, $2.00 per 100, $17.50 per 1000.

Set of 15 **GERANIUM** novelties, including one America, $2.00; worth $4.00.

HENRY EICHHOLZ, Florist,
CASH PLEASE. Waynesboro, Pa.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....

$2.00 Per Year. Sample Copies Free.

Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. **CHICAGO.**

American Florist Advts.

Mean More Business.

ROSE PLANTS

This is all nice, clean, strong stock, from 2½-inch pots.

	Per 100	Per 1000
METEOR	$3 00	$25.00
BRIDESMAID	3 00	25.00
BRIDE	3.00	25.00
KAISERIN	3.50	30.00
LA FRANCE	3.50	30.00
AMERICAN BEAUTY Rose Bushes	2.50	20.00
LA FRANCE, lifted from benches	2.50	20.00

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

5000

Lady Campbell Violets.

Strong, Healthy Stock Plants,

$4.00 per 100. $35.00 per 1000.

H. A. JAHN, New Bedford, Mass.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

Do the American Florist a small favor Mention the paper when writing advertisers.

Carnations

ROOTED CUTTINGS.

	Per 100	Per 1000
America	$2.00	$15.00
Melba	2.00	15.00
Gov. Griggs	2.00	15.00
Leslie Paul	2.00	15.00
Gold Nugget	1.00	7.50
McGowan	.75	5.00
Wm. Scott	.75	5.00
Nivea	.75	5.00

ROSE PLANTS

	Per 100
Am. Beauty, 3-in. pots	$7 00
" 2½-in. pots	5.00
Bride, Bridesmaid, Perle, Meteor, 3-in. pots, $5.00 per 100; 2½-in. pots	3.00
Golden Gate, 2½-in. pots	3.50

PETER REINBERG,
51 Wabash Ave. CHICAGO.

BOSTON FERN A SPECIALTY.

$5.00 per 100; $40.00 per 1000.
Large plants from $20 to $50 per 100.
Cut from bench.

Salleroi Geranium, Coleus, Alternanthera.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Strong Plants

Brides, Bridesmaids, in 2½-in. pots; American Beauties in 3½-in. pots. All good, strong, healthy Stock; will sell them very cheap for cash.

T. O'CONNOR,
Blackstone Blvd. PROVIDENCE, R. I

PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at **$2 00 PER 100** and up.

C. SOLTAU & CO.,
199 Grant Ave.. JERSEY CITY, N. J.

Let the advertiser know that you take the FLORIST. Then he'll know how he came to get your order.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The following are the scores made Monday, May 28:

Player	1st	2d	3d	4th	Av
Trendly	162	154	107	156	144
Roehrs	144	167	152	135	149
Schultheis	99	137	132		122
Haffner	135	125	146	179	146
O'Mara	145	138	156	133	143
Schenck	154	123	149	179	151
Donlan	130	133	115	142	130
Elliott			94	161	127

H. A. B.

At Flatbush.

The following are the scores made at Flatbush on the evening of May 31:

Player	1st	2d
Eugene Dailledouze	143	162
Paul Dailledouze	128	159
Henry Dailledouze	133	157
Riley	175	147
Wocker	135	146
Thinnes	139	123
Welsing	114	82
Schmutz	151	131
Papa Zeller	120	112
Stewart	97	116

Flatbush expects to welcome the New York bowlers on Thursday, June 7.

With Philadelphia Gunners.

A special shoot between members of the Philadelphia Florists' Gun Club for the Westcott trophy was held on their grounds at Wissinoming on May 22. The conditions for this trophy are: Fifty targets, fifteen known angles, fifteen unknown angles and ten pairs of doubles, handicap added to the score. Out of the first thirty targets A. B. Cartledge made the high score, twenty-six, George Anderson doing the best on the doubles, both men breaking forty out of fifty. When the handicaps were added Anderson and Webster were first with fifty; Bell, forty-nine, and Cartledge, forty-eight. The score follows:

	Kn.	Un.	Doub's.	H'p.	To'l.
Anderson	12	12	16	10	50
Webster	9	12	9	20	50
Bell	13	9	13	14	49
Cartledge	14	12	14	8	48
Park	14	11	10	12	47
Coleman	13	12	13	9	47
Sheeler	7	8	11	20	46
Eisenlohr	13	12	6	15	46
Dorp	8	12	10	14	44
Parsons	12	11	11	9	43
Harris	9	9	11	14	43
Ball	12	7	10	13	42
Smith	10	11	7	12	40
Haywood	12	12	13		37
Cooper	9	14	10		33
Wilcox	9	7	10		26
Whitaker	10	7	9		26
Hamill	12	7	6		25
Cummings	7	6	12		25
Snow	7	6	12		25
Williams	4	8	4		16
Walton	4	4	4		12

At Philadelphia.

"If you want to make fine scores you must have a good ball, which you must get down fine and then use no other." So says "The Deacon," and what he says goes, for he is now high man. He has just had a new ball turned out, made of gum. Now, "by gum," we don't mean rubber, although "Wm. K." might take the stump of one of his large specimens and have a ball turned to suit his grip. The last arrival is from the white gum, a wood very tough and quite light in weight. John Walker has a ball he calls "Gen. Buller," and when "Buller" is working great scores go on the board. In fact, pet balls are now quite the thing, and nearly all the "cracks" have balls with special finger holes or slots to suit their grip. The two-man handicap will commence June 10 and great rolling is expected. K.

Buffalo.

MEMORIAL DAY TRADE SHOWS NO INCREASE IN THE BISON CITY.—PATRIOTISM ON THE WANE.—BUSINESS WARRANTS INCREASED PRICES JUST THE SAME.—A VISIT TO PALMERS'.—DEATH OF MRS. SAGE.—VARIOUS NOTES.

Decoration day has come and gone and trade in general shows a decrease in cut flower orders for the day. Decoration day is no longer what it used to be; the younger generation seems to lack that spirit of patriotism which was so apparent a few years ago. However, individual orders were good and prices took a decided upward shoot, while the quality of roses went the other way. There were no pæonies and carnations. Roses, lily of the valley and lilacs were the only flowers available in quantities. Carnations at $3 and $4 per hundred at Decoration day does not seem just right, but there are some who pay it and get prices accordingly, but for the good of the business some distinction should be made in the price of flowers between Easter and Decoration day. The store windows are now a sight to behold.

A wheeling party journeyed to Lancaster Sunday and called upon W. J. Palmer & Son. We were escorted through the whole place and some amateur photographs were taken by one of the party. Palmers' Brides and Bridesmaids were a grand sight and the cut of Beauties is fine. They are growing sweet peas in three carnation houses, which were solidly in flower and perfect. Another house has a solid bed of Kaiserins which are fine; last week the cut was 2,500.

We are informed of the death of Mrs. E. B. Sage, of Red Rock, who has been ill for a long time. The Buffalo Florists' Club extends sympathy to Mr. Sage, who is one of our members and a regular attendant. W. A.

FICUS ELASTICA

Top Cuttings, Well Rooted, suitable for 5-inch and 6-inch pots,

$20 PER 100

BOBBINK & ATKINS
RUTHERFORD, N. J.

Orchids!

Arrived in perfect condition, CATTLEYA PERCIVALLIANA and C. MOSSIAE. Write for prices.....

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

There's a new crop of sweet Graduates each year.

There are some of them in your neighborhood.

Show their friends some of our new Graduation Baskets.

They are up-to-date, salable and low-priced.

You can sell them in large numbers by just showing them.

Send for special price list on these and all other seasonable florists' supplies.

Double your bank account in June. It's easy enough if you buy liberally from

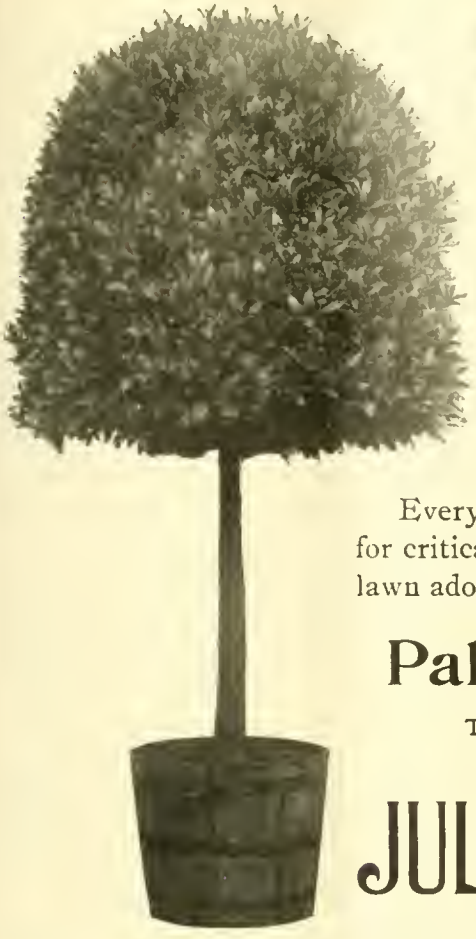
H. BAYERSDORFER & CO.
50-56 N. Fourth St.,
PHILADELPHIA, PA.

CARNATIONS!
F. Dorner & Sons Co.,
LA FAYETTE, IND.

WM. MURPHY
Wholesale Carnation Grower
Station F, CINCINNATI, OHIO.

BRIDES and MAIDS,
2½-in., ready for a 3-in. shift
CASH WITH ORDER. $3.00 a 100, $25.00 a 1000.
J. B. HEISS,
The Exotic Nurseries. DAYTON, O.

MY SPECIALTY.
CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship, a splendid stock of plants in four separate colors, from 2-inch pots, $4.00 per 100; $35.00 per 1000. From 2½-inch pots, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.
PAUL MADER, East Stroudsburg, Pa.



Bay Trees

STANDARDS

AND PYRAMIDS

The Largest Importation Ever Offered in America

Every Tree a specimen, specially selected for critical buyers. Unexcelled for piazza and lawn adornment, at figures that are convincing.

Palms and Orchids.

THE BEST COMMERCIAL FLORISTS' VARIETIES

JULIUS ROEHRS,

Carlton Hill, NEW JERSEY.

Chrysanthemums.

A large list of the best new and leading standard varieties; strong, healthy, vigorous plants from 2 and 2½-in. pots. There are none better; most of our customers tell us there are none so good. Send for complete list.

THE FOLLOWING CARNATION PLANTS STILL LEFT:

GENEVIEVE LORD. from sand, grand stock, $10.00 per 100, $75.00 per 1000. **AMERICA, GOMEZ** and **MACEO,** $5.00 per 100. **JOOST, PINGREE,** $2.50 per 100. **GOLD NUGGET,** $3.00 per 100.

H. WEBER & SONS,

Oakland, Md.

Crotons Now is the time to think about bedding out these beautiful foliage plants, though in the vicinity of Philadelphia the first week in June is early enough.

We have them in the following varieties, all of which are excellent for the purpose indicated: Andreanum, Aureum Maculatum, Evansianum, Interruptum, Queen Victoria, Rubro-lineatum, and a few others. Very fine plants.

6-in. pot plants, 15 to 20 in. high, 75c to $1 each.
4 " " ..... $3.00 per dozen.
3 " " ..... 8.00 per 100.
Aureum Maculatum... $5 per 100, $35 per 1000.

Money Order Office, Chestnut Hill, Sta. H, Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co., Pa.

10,000 EXCELLENT stocky 4-in. Latanias

ready for shifting, $20 per 100; $190 per 1000.

WALTER RETZER & CO. Successors to ALBERT FUCHS,

2045-59 Clarendon Avenue, CHICAGO.

ARECA LUTESCENS	6-in. pots (3 plants), very bushy, 24 in		@$1.00;	$12.00 per doz.
	8-in. pots (3 plants), very bushy, 26 to 30 in		@$2.00;	$24.00 per doz.
KENTIA BELMOREANA	4-in. pots, 5 to 6 leaves,	15 to 18 in	$ 6.00 per doz.;	$ 50.00 per 100
	6-in. pots, 6 "	20 to 24 in	18.00 per doz.;	150.00 per 100
KENTIA FORSTERIANA	4-in. pots, 4 to 5 "	15 to 18 in	4.50 per doz.;	35.00 per 100
	5-in. pots, 5 "	18 to 24 in	9.00 per doz.;	75.00 per 100
	6-in. pots, 6 "	28 to 30 in	15.00 per doz.;	$1.25 each.

Measurements from top of pot.

JOSEPH HEACOCK, Wyncote, Pa.

Orders Now Booked

For Fall Delivery of

CARNATION PLANTS.

Chicago Carnation Co., JOLIET, ILL.

ROSES. A No. 1 Stock.

	Per 100	Per 1000
BRIDES, 2½-inch	$3.00	$25.00
BRIDESMAIDS, 2½-inch	3.00	25.00
PERLES, 2½-inch	3 00	

CASH WITH ORDER.

JOHN MUNO, Rogers Park, Chicago.

KAISERIN and CARNOT Rose Plants

$2.50 PER HUNDRED.

Out of 2½-in. Pots. Fine Stock.

COLE BROS., & Peoria, Ill.

PANSIES ..THE.. JENNINGS STRAIN

FINE, STOCKY PLANTS from cold frames, in bud and bloom, $1.50 per huudred; $13.00 per thousand.

SMALL PLANTS by mail 60 cts. per hundred. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

GROWER OF THE FINEST PANSIES.

Please mention the American Florist when writing.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give it a trial.

...The American Florist.

Louisville.

THE KENTUCKY CITY SEES CONSIDERABLE BUILDING UNDER WAY.—SCHULTZ BRINGING HIS PLACE UP TO DATE.—OTHERS GETTING READY FOR MORE GOOD BUSINESS.

Jacob Schultz is preparing to make great improvements to his range. He will rebuild four houses for miscellaneous plants, using larger glass and new material throughout. Then he will put up a fern house 10x180 and a violet house 12x140. A new boiler house will be built, 20x65, separated from the houses and with a second story covered by glass for the use of large plants. Two new boilers will be installed, of the same pattern as those used by E. G. Hill for his carnation houses. These improvements will cost between $6,000 and $7,000.

C. H. Kunzman is building another carnation house. It is 24x120 and twelve feet to the ridge. The south wall will have two-foot glass ventilators its entire length. There are to be three five-foot benches, leaving space for four walks. Mr. Kunzman is also excavating an eight-foot cellar 20x55, which will be covered by a potting shed. In the fall he proposes to build a house 8x120 for propagating carnations.

C. W. Riemers is building a packing room 24x30, with a cooling cellar 16x24 and capable of holding two tons of ice. Mr. Reimers has a device for heating the water used in his houses. When one man is watering the temperature is at 58° and if two or three are at work the supply only falls to 56°. He will have 30,000 asters for cut flowers this season and has them all planted. H. G. W.

HARTFORD, CONN. — John Coombs is hoping for the speedy completion of the Universalist block, to which he will then remove his store and be excellently located.

WASHINGTON, D. C.—W. W. Kimmell recently had a minister of the gospel arrested for passing a forged check. The reverened gentleman's friends produced the money to reimburse the florist.

ONLY 20,000

YOUNG ROSES LEFT

and planting season just commencing. Our stock consists of

Am. Beauties,	in 2,	2½ and	3-inch.
Perles,	"	"	"
Maids,	"	"	"
Brides,	"	"	"
K. Victoria,	"	"	"
Wootton,	"	"	"
Golden Gate,	"	"	"
La France,	"	"	"
Belle Siebrecht,	"	"	"

We believe in shifting young roses often. All stock offered in 2½-inch pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established.

Send 50 cts. or $1.00 for samples and prices. Stock will please you. Prices are right.

Last Call for This Stock.

5000 Geraniums, in 3 and 4-inch pots, red, white, pink, salmon and mixed.
Salvias, 2½-in. Vincas, 3 and 4-in. Daisies, 3-in. Begonias, 3 and 4-in. Cannas, 3 and 4-in. Caladiums, 6-in. Tuberoses, 3-in. Boston Ferns, 5-in. Heliotrope, 3 and 4-in. Verbenas and Pansies by the thousand.
Write or wire

GEO. A. KUHL, Pekin, Ill.

LAST CALL !!

8,000 METEOR ROSES
FROM 2½-IN. POTS,

WISHING to clean out to make room for planting, will offer above for $20 per thousand. Also have left

8,000 Brides, 2½-in. Pots.
AT $25 PER THOUSAND.

This stock is A1 in every respect and as good as any we have sent out, which has given general satisfaction.

J. A. BUDLONG, 37-39 RANDOLPH ST., **CHICAGO.**

ROSE PLANTS

		Per 100	Per 1000
AMERICAN BEAUTY	2½-in.	$5.00	$45.00
METEOR	"	3.00	25 00
BRIDE	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
PERLE	"	3.50	30.00
AMERICAN BEAUTY, lifted from benches			35.00

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,
51 Wabash Ave., CHICAGO, ILL.

BRIDESMAID ROSE PLANTS! I have still left a few thousand in 2-inch pots in splendid condition.

STEPHEN MORTENSEN, (Near Phila.) SOUTHAMPTON, PENNA.

GRAFTED ROSES,

American Beauty, Kaiserin, Golden Gate, $10 per 100.

OWN ROOTS, FROM GRAFTED STOCK.

Golden Gate, Kaiserin, Meteor, strong stock ready for 3½-in. pots, $4 per 100, $35 per 1000.

S. J. REUTER, Westerly, R. I.

Perles = Perles

Some very choice strong 3-in and 2¼-in. Perles for the first comers. Fine stock for early flowers.....

W. H. GULLETT & SONS, Lincoln, Ill.
Please mention the American Florist when writing.

ROSES. Clean, Healthy Plants.

From 2-in. pots, $3 per 100, $25 per 1000; 500 at 1000 rate. Golden Gate, Perle, Bride and Bridesmaid, La France, Wootton, etc.
Geranium, strong plants from 3-in. pots, assorted, $3 per 100. **Rose Geranium, Heliotrope** and **Moonvine,** $3 per 100.
CASH WITH ORDER.

JOSEPH HEINL, Jacksonville, Ill.

GERANIUMS, mixed, 2-inch	Per 100,	$2.50
HUMULUS var. (Jap. Hop), 2-in	"	2.00
COBÆA scandens, 2-in	"	2.00
SWEET ALYSSUM Little Gem, 2-in.	"	2.00
SELAGINELLA Dent., strong, 2-in.	"	1.50

E. I. RAWLINGS, QUAKERTOWN, PA.
Please mention the American Florist when writing.

ROSE PLANTS Good, Healthy Stock.

BRIDESMAIDS, KAISERINS	3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES	2½-in., $3 per 100, $25 per 1000.

Cash With Order.

Martin A. Magnuson,
3309 N. Western Ave., CHICAGO, ILL.

GRAFTED KAISERIN AND CARNOT

GILT-EDGE STOCK.

☞ Plant NOW for summer bloom.

ROBERT SIMPSON, Clifton, N. J.

5000 BRIDES AND MAIDS

2 and 2½-in. pots, ready for shifting, $2.50 per 100, $20.00 per 1000.

Also 5000 BRIDES and MAIDS, in 3-in. pots. Very fine stock. $4.00 per 100, $35.00 per 1000.

J. F. DUNCAN,
Wyndmoor P. O., Montgomery Co., Pa.

A good adv. in a good paper will bring good returns.

Chrysanthemums.

FOR ALL PURPOSES.

NOVELTIES
And STANDARD
VARIETIES.

Send Us a List of Your Wants for LOWEST CASH PRICES.

NATHAN SMITH & SON, Adrian, Mich.

VERBENAS

60 Choice Varieties,

in bud and bloom, 2½-inch pots, $2.50 per 100; $20 per 1000. 3-inch pots, $3.50 per 100.

GERANIUMS

30 Finest Bedding Varieties,

in bud and bloom, 3½-inch pots, $6.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

ADIANTUM ...FARLEYENSE

2½-inch Pots.

Nice, Strong Stuff, Ready for a Shift,

$10 per 100.

J. A. PETERSON,
Florist
405 RACE STSEET, - - CINCINNATI, OHIO.

Dracæna indivisa	$10.00, $15.00 and $20.00	per 100
Smilax, transplanted, strong	.50	"
Coleus, rooted cuttings	.75	"
Geraniums, S. A. Nutt, etc.	2.50	"
Asters, trans. Queen of Market	.50	"
Heliotrope, 3-in. Jersey Beauty	4.00	"
Asparagus plumosus seedlings	3.00	"
" Sprengerii, 3-in.	6.00	"
Ageratum, Cope's pet, 2½-in	2.50	"
" Princess Pauline, 2½-in.	3.00	"
Geraniums in assortment, 4-in.	$5 to 6.00	"

CASH PLEASE. **Carl Hagenburger,** W. Mentor Ohio.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

SMILAX, From Pots, Ready Now.

$1.50 per 100, $15 per 1000.

Asparagus Plumosus,

From 3-in. Pots, Ready July 15th,

$6 per 100, $50 per 1000.

You will make no mistake in sending me your order; this stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY, double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta. H, Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co. PA.

Fine Plants.

	Per 100
GERANIUMS, 2½ and 3-in. pots, mixed	2.50
Centaurea Gymnocarpa, 2-in. pots	2.00
SMILAX, 2-in. pots, 1000, $8.00;	1.00
ASPARAGUS Sprengerii, 2-inch pot	3.00
ASPARAGUS Plumosus Nanus	4.00
Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea	2.00

—CASH PLEASE—

JOS. H. CUNNINGHAM
DELAWARE, O.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Rooted Cuttings and 2½-in. Pot Plants.

	Per 100
Coleus, best red, yellow and assorted	$0.50
Moon Vines, white	1.00
Santolina Chamæ-cyparissus, very strong	1 00
Ageratum, blue, white and P. Pauline, 2½ in. pots	1.50
Salvia Splendens, tall and dwarf, strong, 2½ "	2.00
Cobæa Scandens, 18 to 24-in. " 2½ "	3.00
Chrysanthemums, long list best vars., strong 2½-in.	2 00
Alternanthera, red and yellow	1 75
Apple Geraniums, 2 and 2½ in pots	4.00

CASH WITH ORDER PLEASE.
J. E. JACKSON, Geinsville, Ga.

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50

Rooted cuttings of Coleus, Crimson Verschaffeltii, Golden Queen and Mixed, 75c per 100.

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y.

FORBES' Grand New BEGONIA **CALEDONIA**

(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

JOHN FORBES, Nurseryman, HAWICK, Scotland.

Started Clumps of Dahlias.

New varieties, $2.50 per 100. Cash with order.

...W. H. JONES, Geneva, O.

READ THIS.

To Clean Up, We Offer the Following:

GERANIUMS, 2½-in., La Favorite, Reine Nathalie, Sir Trevoir Lawrence, Gloire de France, Wm. Pfitzer, Guillion Manglii, Countess La Baum, Mme. Jones, Countess de Harcourt, Lavalee, Ingenieur Parlieur and a score of other good varieties at $2.00 per 100, $17 50 per 1000.
Bronze Leaved Geraniums, Prince Bismarck and Cloth of Gold, $2.50 per 100.
Silver Leaved Geraniums, Mrs. Pollock and Mrs. Parker, $5.00 per 100.
COLEUS, fine assortment, 2½-in , $1.75 per 100.
FEVERFEW, 2½-in., $1.50 per 100.
FARFUGIUM GRANDE, 2½-in., $5.00 per 100.
PETUNIAS, Double, Dreer's strain, 2½-in., $2.50 per 100.
PELARGONIUMS, 2½-in., assorted, $3.50 per 100.
ALTERNANTHERA, 2-in., $1.75 per 100
VINCA VARIEGATA, 2½-in., $4.00 per 100.
" ELEGANTISSIMA, 2½-in., $2.00 per 100.
PALM, Latania Borbonica, 2½-in., three to five leaves, $5.00 per 100.
FERNS, Bostoniensis, 2½-in., $4.00 per 100.
" Cordata Compacta, 2½-in., $4 00 per 100.
" Cyrtomium Falcatum, 2½-in., $3.00 per 100.

CASH WITH ORDER.

G. W. WEATHERBY, Chillicothe, Mo.

CHRYSANTHEMUMS

Cullingsfordii	Mrs. Jerome Jones
Glory of Pacific	Mrs. S. T. Murdock
Ivory	Mme. F. Bergmann
Minerva	Rose Owen
Mrs. J. C. Whitldin	The Queen

And other varieties from 2½-in. pots, $2.00 per 100.

ASTER

SEMPLE and VICTORIA plants from seed bed, 25c per 100, $2.00 per 1000.

CASH WITH ORDER.

R. VINCENT JR. & SON, White Marsh, Md.

Aster Plants.

OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

ROSES and CANNAS.

Am. Beauties, 3-inch, $6.00 per 100. Pres. Carnot, 3-inch, $6.00 per 100. Souv. de Wootton, 4-inch, $7.00 per 100.

Paul Bruant, deep red; Chas. Henderson; A. Ferrier, bronze; F. Vaughan; started plants, $6.00 per 100.

ROBERT F. TESSON, West Forest Park, St. Louis.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

VIOLETS We still have Lady Campbell and Swanley White rooted cuttings, $6.00 per 1000.

GERANIUMS, S. A. Nutt, Bruanti, etc., at $6.00 per 100 without pots; $7.00 with. Mme. Salleroi, 3-inch, $3.50 per 100.

CANNAS, Star of 91, similar to Bouvier, also a mixed lot of Florence Vaughan, Burbank, Austria, J. D. Cabos, etc., at $8.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

POTTED VIOLET CUTTINGS.

Clear of all diseases, of the different varieties.

	Per 1000
FARQUHAR	$20.00
CAMPBELL	15.00
PRINCESS OF WALES	12.50

No California for sale now.

CREEN SPRINGS FLORAL CO.,
Louise County, Weldrop P. O., Va.

Violets

PRINCESS OF WALES
Fine plants,
$1.50 PER 100.

Dwight M. Wells, Benton Harbor, Mich.

Washington.

BUSINESS CONTINUES BRISK.—PÆONIES IN SPLENDID SHAPE.—DECORATIONS FOR SOCIETY.

Trade is very good. The commencements and receptions are keeping everybody on a move. Stock is plentiful and the quality good for this season. The weather is cool, which is quite a drawback to the sale of bedding plants. Pæonies are grand this year and are in great demand and bring fair prices.

Wednesday night, May 23, President and Mrs. McKinley gave a reception in honor of the Mystic Shriners. The East Room was tastefully decorated with palms, ferns and crotons, the corridors and parlors with plants and large vases of pæonies and all were brilliantly illuminated. It was the largest gathering seen at the Executive Mansion during the present administration. The Marine Band furnished the music.

Representative and Mrs. Dalzell entertained Wednesday night, May 23. Quite a number of Meteor roses were used by A. Gude & Bro., who had the decoration.

P. G.

ITHACA, N. Y.—Arthur H. Bool has leased the establishment of the Bool Floral Co., and will conduct the business at 215 East State street.

MONTCLAIR, N. J.—A. D. Rose reports a brisk business in window boxes and records sixty-five boxes five feet long, which he has planted individually as one days' work.

BURLINGTON, WIS.—A. Helfrich has organized the Burlington Floral Co., of which he becomes president, to handle his business, and proposes enlarging his glass and reaching out for larger trade.

WHILE THEY LAST.

40,000 GERANIUMS. Ten strictly first-class bedders: S. A. Nutt, Bruanti, Beaute Poitevine, Frances Perkins, La Favorite, White Swan, Mrs. J. M. Garr, Athlete, Am. Wonder, Mme. Jaulin, strong, 2½-inch, $2.75 per 100: $25 00 per 1000. Rose Geraniums, 2½-inch, same price. 2-inch, 2c. Mme Salleroi, strong, 2-inch, $1.50 per 100. Orders filled day received.

25,000 2½-inch ROSES—Brides, Meteors, Maids Perles and Woottons, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first-class.

Double Fringed PETUNIAS and 20th Century VERBENAS, strong, 2-inch, 2c.

VINCAS, strong, 2½-inch, 3c.; 2-inch, 2½c.

MARGUERITES—New Giant White, a grand sort, and New Golden, strong 2-in., $2.00 per 100.

COLEUS—Strong 2-inch, choicest varieties, $2.00 per 100.

SMILAX—Strong 2-inch, $1.00 per 100. Strong seedlings, 50c. per 100.

AGERATUM, Princess Pauline—Strong, 2½-in., 2½c; 2-in., 2c.

GIANT COMET ASTERS (true)—Strong 2-in., $1.50 per 100. Lavender, pink and white, and pure white.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

A NEW AD

			Per 100
10,000	Coleus, named, our selection	2¼-in.	$1.50
5,000	Geraniums, mixed	2¼ "	2.00
2,000	Grass Pinks	3 "	3.00
2,000	Verbenas, named	2¼ "	1 00
1,000	True Maidenhair Fern	2½ "	4.00
3,000	Iresines, two colors	2¼ "	1.50
1.000	Red Vernon	2¼ "	1.50
500	Red Vernon	3 "	2.50
500	Lygodium Scandens, climbing fern	2½ "	4.00

The Morris Floral Co.,

MORRIS, ILL.

WHAT DO YOU WANT?

I have 10,000 **Scott, McGowan and Portia Carnations**, from flats, $10 00 per 1000.

L. H. Campbell and California Violets, 10,000 strong, Fall runners, ready to plant, $8 00 per 1000; **Princess of Wales**, $15.00 per 1000. All above by 100 same price.

5000 Ampelopsis Veitchii, long, live tops, pot-grown, dormant, at $3 00 per 100 or $25 00 per 1000.

5000 Vinca Major Var. 2½-in., strong, $3.00 a 100. **Carex Japonica, Golden Glow, Blue Moon Vines, Halleana and Golden Honeysuckle, Blue and Crimson Spiræa**, all from 2½-in. pots, good, 3 cts. each, as many as you want.

Also **Lady Washington Geranium, Genista,** assorted **Flowering Begonias, Manettia Bicolor**, 4 cts. each; **Sprengeri**, 3½ in., fine, 8 cts

Cash with order, please. **BENJ. CONNELL, Florist, WEST GROVE, PA.**

FUCHSIAS, rooted cuttings, named, all good ones, $1 00 per 100. **PETUNIAS**, $1.00 per 100. **AGERATUMS**, 50c per 100. **HELIOTROPES**, 10 best named, rooted cuttings, 80c per 100, $7.00 per 1000; 2-in., $2 00; 4-in., but fine, at $7.00 per 100. **COLEUS** 70c per 100, $6.00 per 1000. Express prepaid on all rooted cuttings.

CARNATIONS

to close out quick, strong cuttings ready to set out in field.

	Per 100	Per 1000
Flora Hill	$1.00	$9.00
Wm. Scott	.80	7.00
L. McGowan	.80	7.00

30,000 VIOLETS, runners, California: $1 00 per 100; $8 00 per 1000. **20,000 SMILAX**, fine 2-inch plants, $1.25 per 100; $10.00 per 1000.

C. HUMFELD, Clay Center, Kas.

CABBAGE. CABBAGE.

H. Succession, Early and Late, Flat Dutch, Drumhead Savoy and other varieties, field grown plants, 15c per 100, $1.00 per 1000, $8.50 per 10,000.

CELERY

White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready; 15c per 100, $1.00 per 1000, $8.50 per 10,000. (Large enough now for transplanting at 75c per 1000).

TOMATO

Stone, Paragon, Royal Red and other varieties, field grown, 15c per 100, $1.00 per 1000, $8 50 per 10,000.

Any of the above plants by mail, add 10c per 100.

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

Die Bindekunst

Einzige Special Zeitschrift der Welt für **BLUMENBINDEREI.**

Probenummern umsonst.

Abonnement 10 M. jährlich.

J. OLBERTZ, Bindekunst Verlag, ERFURT, DEUTSCHLAND.

THE

Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—

41 Wellington St., Coven Garden, London, England.

SMILAX

Surplus from flats, to clear out.

By mail, 40c per 100, $3.50 per 1000, while they last.

McFARLANE, Staatsburgh-on-Hudson, N. Y.

Leading Chrysanthemums.

White: Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jerome Jones, Independence, Weeks. Yellow: Golden Trophy, Henderson, Johnson, O. P. Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch. Pink: Ivory, Glory d. Pacific, Montmort, Morel, Perrin, Murdock. Bronze: Chas. Davis Red: Geo. W. Childs; out of 2½-in. pots, $2 50 per 100. $20 00 per 1000. Also, White: Mayflower, Western King Yellow: Golden Wedding, Yellow Jones and H. W. Belman. Red: Defender, Shrimpton. Bronze: Lady Hanham; out of 2½-in. pots, $3 00 per 100, $25 00 per 1000. Gretchen Buettner, fine late white, $22 00 per 1000; $2.50 per 100. 500 or more of not more than 12 varieties at 1000 rate

ROSES. Bridesmaids, Brides and Perles, 2½-in., $3.50 per 100. $30.00 per 1000. Good Stock. Bridesmaids, Brides and Perles, 3-in., $5 00 per 100. $45.00 per 1000

Terms cash or will be sent C. O. D. Satisfaction guaranteed or money refunded. Secure your stock by ordering early. We are the largest growers of Chrysanthemums in Illinois.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

Extra Fine 2-in. Stock

Alternanthera, 3 varieties, $1.50 per 100, $14.00 per 1000. **Fuchsias**, mixed, $1.50 per 100. **Begonia Metallica**, $2.25 per 100. **Coleus**, Golden Bedder and Verschaffeltii, $1.50 per 100, $15.00 per 1000. **Mixed Coleus**, $1.35 per 100, $13.00 per 1000.

Rooted Cuttings, Golden Bedder Coleus, 60c per 100, $5.50 per 1000.

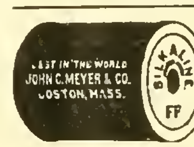
R. I. HART, Hackettstown, N. J.

VEGETABLE PLANTS.

Fine, Large Plants, Ready to Plant Out.

	Per 1000	Per 5000
CABBAGE, best leading varieties	$1 00	$4.00
TOMATO, 5 leading varieties	1.00	4.00
BRUSSELS Sprouts	1.00	4.00
LETTUCE, several varieties	1.00	
CAULIFLOWER, H. Early Snowball	2.00	

J. C. SCHMIDT, - Bristol, Pa.



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MEYER

GREEN SILKALINE

Just the shade of the foliage.

Samples and prices free.

JOHN C. MEYER & CO.,

80-84 Kingston St. *BOSTON, MASS*

For sale by leading Florists.

KIFT'S PATENT **Adjustable Vase Holders**

No. 1—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2 25. Price complete (with green or white cornucopia vases) $2 50. No. 2—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-in pots, each, $1.75.

Kift's patent rubber capped **Flower Tubes**, ½-in. diameter, per 100, $3 50.

JOSEPH KIFT & SON, Florists,

1725 Chestnut St. Philadelphia, Penn.

Finest Prepared

CYCAS LEAVES

Most Flexible. Best Coloring and Finish.

Also RAW CYCAS LEAVES,

Pressed, ready for painting; $3.00 per 100, $25.00 per 1000. Good 36-in. leaves.

FLORIDA NAT. PRODUCTS CO., Box 327, Orlando, Fla.

Sulpho-Tobacco Soap

Universal Insecticide

For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores.

ROSE MFG. CO.

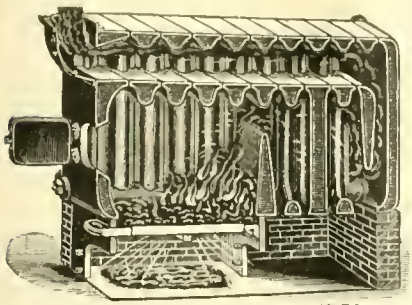
NIAGARA FALLS, N. Y.

Galvanized Wire Plant Stakes.

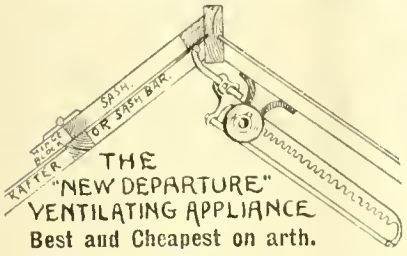
USED ONE YEAR.

Feet.	Per 100	Per 1000	Feet.	Per 100	Per 1000
2½	$ .65	$5.75	3½	$ .85	$8 00
3	.70	6 50	Whole lot for $17.00.		

McLENEGAN BROS. Reading, Pa.



AMERICAN CHAMPION BILER.



THE "NEW DEPARTURE" VENTILATING APPLIANCE
Best and Cheapest on arth.

THE EVERLASTIN HINGE.

MR. EDITUR:

I send u mi picter whitch also shoes mi latest invenshin. i got it up to help mi florist frenz what kin pla musick, an tha are wel plezed with the wa it works, an al sa it hez great posabilities. Kraig uv Filidelfi saiz it filz a long felt wont in hiz fambly, fur awl his kids is musickl an he is sum hisself on the Kazoo. Kole uv Kokomo hez ordered a hole litter uv em awl sizes to sute his fambly, and his baby now krize by note, We wil sune have theze music holders uv different styles an matereals to sute kustomers. Sum uv kast irun, sum Plaster frum Paris, sum of dog skin stufed with straw, and sum stuffed with the dorg an bark. theze iz automatick an kin be traned to bring the musick sheets and beet time with its tale on the flore. This style is a howling succes when traned tew take part in a funerial durge.

Now as i need munney to breede an bild thoze machenes an get a patent on em, i wil cel sum **BILERS an HINGES an VENTILATIN KONTRAPSHINS** Purty cheep. so tel awl the Flourists what iz bildin, tu send tu me fur a Kat-a-log what tels awl about mi fixins.

Mi name iz J. D. CARMODY, I live in Evansville, Indiana, Klose tew Posey Kounty.

Please mention the American Florist when writing.

PREPARED TROPICAL PALMS

—AND—

CYCAS ..LEAVES.

Send for Catalogue.

Ostertag Bros., Florists,

Washington and Jefferson Aves., ST. LOUIS, MO.

FROM COLD STORAGE.

Write, telegraph or telephone.

GALAX LEAVES Brilliant Bronze, $1.50 per 1000; Brilliant Green, $1.50 per 1000. LEUCOTHOE SPRAYS Bronze, $1.25 a 100; Green, $1.25 a 100.

FANCY FERN, DAGGER FERN, ETC. At Market Prices.

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MEMORIAL DAY TRADE SURPASSED PREVIOUS RECORDS.—FLORIST BECOMES A GARDENER.—BEDDING TRADE ACTIVE.

The quantity of flowers handled for Memorial day exceeded all the records of the city and the proportion of carnations was unusual, particularly of white. One feature of Memorial day trade is that every florist appears to have more or less orders from customers he never sees at any other time.

A. L. Mock, who until recently owned the establishment known as the Paris Floral Co., and was a candidate for the position of park superintendent, has accepted the position of gardener for Chas. Allis, who is establishing a fine summer residence in Wauwatosa, Wis. Conservatories are soon to be built and a lily pond will be one of the features in the landscape.

Bedding plants are being set out at a lively rate and the best scarlets are already scarce. Every one doing bedding or planting of any kind is very busy, but the flower trade generally is only moderate. C. B. W.

NEWPORT, R. I.—Wadley & Smythe, the New York florists, have rented a store adjoining the Casino entrance for the season.

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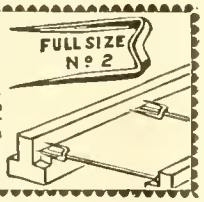

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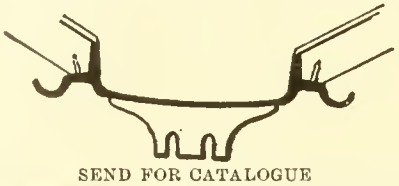
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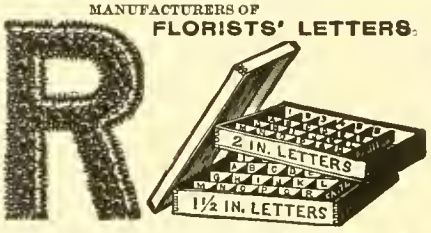

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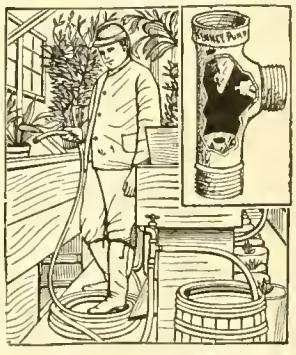

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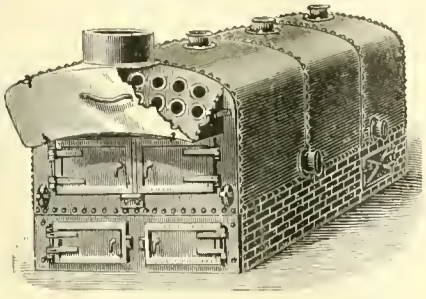

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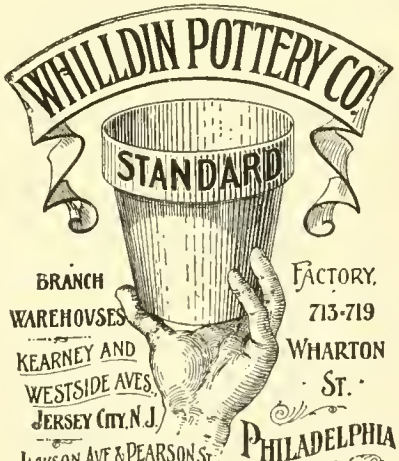

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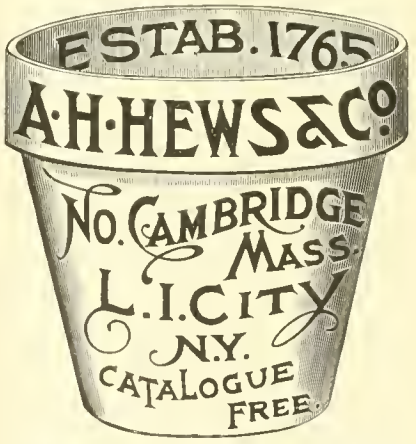

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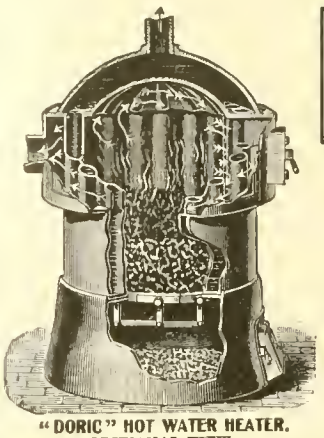

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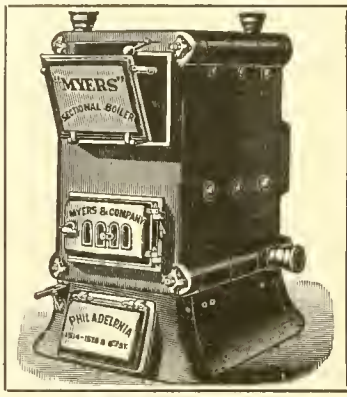

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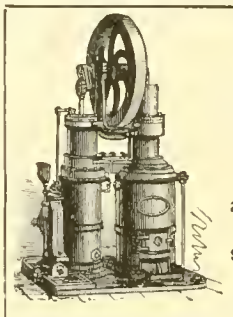

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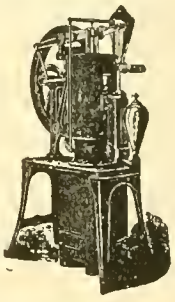

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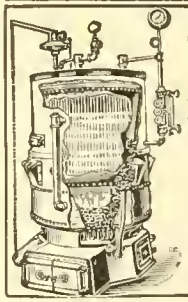

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Vol. XV. **CHICAGO AND NEW YORK, JUNE 9, 1900.** **No. 627.**

THE AMERICAN FLORIST

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324 Dearborn St., Chicago.

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CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Park and Outdoor Art Association.

It was on Monday morning, June 4, that Secretary Warren H. Manning and his assistant, Miss Edith Canning, opened headquarters in the Green Room of the Auditorium Annex Hotel, Chicago, for the fourth annual convention of the American Park and Outdoor Art Association, which was, in many respects, destined to eclipse all previons gatherings of the association. The society is growing apace with the increased interest in the subject of outdoor art and the attendance was representative of that interest from New Orleans to St. Paul, from Omaha to Boston. President Charles M. Loring, whose absence had been feared because of ill health, was warmly greeted on Tuesday morning, when the members assembled in beautiful Fullerton Hall, in the Art Institute, where the first order of the day was an address of welcome by Mr. Taylor, representing Mayor Harrison. Mr. Loring responded briefly and then the routine work of the meeting was taken up and promptly dispatched.

The reports of Treasurer O. C. Simonds and Secretary Manning detailed the work of the year and were most favorable in comparison with the conditions at the Detroit meeting a year ago. The report of Frederick Law Olmsted, Jr., of Brookline, Mass., for the committee on checking the abuses of advertising signs, was deferred, but Prof. Wm. J. Beal, of Michigan, was ready with the report of the committee on prizes for designs. In this document the committee recommended that this society offer prizes for amateur outdoor work of various classes and that it encourage such organizations as woman's clubs and local improvement associations to do the same. In this connection Mr. MacBride, of Iowa City, related the circumstance of such a prize competition on flower beds which took place last season in his town and in which there were over 100 competitors, although the prizes amounted to only $10. Dr. Wm. W. Folwell, of Minneapolis, reported for the committee on park census that the present census law makes no provision for special enumeration of parks and the compilation of park statistics and that such will be impossible without further legislation. J. A. Ridgway, for the committee on park accounts, reported that letters had been sent to all park accountants inviting them to offer suggestions as to the proper methods of handling park accounts, but that the responses had been so meager as to afford no basis for completing the work. On Tuesday afternoon the members of the association repaired to the Field Columbian Museum, in Jackson Park, where they were met with carriages by the Board of South Park Commissioners and brought back to the city via the Midway Plaisance, Washington Park, Drexel and Michigan boulevards.

On Tuesday evening an excellent audience greeted J. H. Patterson and E. L. Shuey, of the National Cash Register Company, Dayton, O., who told of the manifold benefits derived from their efforts to improve the surroundings of their factory and the homes of the operatives. Stereopticon views were used to show what has been done in this line and the session was not only one of the most instructive but most entertaining of the convention.

At the session Wednesday morning Secretary Manning read the paper of Mrs. Cyrus H. McCormick, entitled "Landscape Gardens." The writer dealt exhaustively with her topic and showed herself possessed of a fine knowledge of the fundamental principles of the art of gardening. She handled certain well known abuses in so free handed a fashion that President Loring, at the close of the reading, compared Mrs. McCormick to the gentleman with the shillalah who made it a practice to hit a head wherever he saw it. The second order of the day was the reading of the report of the committee upon checking the abuses of advertising bill boards. This was preceded by the presentation of stereopticon views showing the bill boards on several of Chicago's boulevards and streets adjacent to the parks. These were from photographs taken by the Municipal Art Association of Chicago and were briefly commented upon by a representative of that organization. In the committee's report, which was a document of several thousand words, it was advised that the association exert its influence in every way to create public opinion in opposition to the bill boards, preferably taking up the work through the secretary's office and proceeding along definite and continuous lines. In the debate which followed Mr. Hanford, of Detroit, Mr. Parker, of Quincy, Ill., and others related incidents in which the bill board had been overcome by diplomacy, right or the force of public opinion.

The session of Wednesday closed with the paper of W. M. R. French, Director of the Art Institute, on "Trees in Composition," which was the most pleasing feature of the week's programme. Mr. French was once a landscape architect and knows the value of a tree as well as

any man. He proceeded to show that to the landscapist, either painter or gardener, the tree is a very important factor, and illustrated his remarks by sketching with crayon on rough paper as he spoke, drawing his landscape first as it should not be and then remedying the defects with a few deft touches. The conclusion of his remarks was the signal for the most hearty applause of the session, although the hour was very late. The afternoon ride through the west side parks was somewhat interfered with by the rain.

On Wednesday evening the members of the association were banqueted at the Auditorium, the discussion of the viands being followed by extemporaneous remarks by a number of those gathered about the board. Flowers for the occasion were donated by Bassett & Washburn, Chicago Carnation Co. and Weiland & Risch. Hauswirth decorated the central fountain for the hotel.

Thursday morning's session was the occasion for the presentation of three papers, that of J. Frank Foster, superintendent of the South Park System of Chicago, dealing with the subject of park roads in a most thorough and practical manner. S. M. Millard presented the subject "Art in Landscape" and Rev. J. A. Rondthaler, who proved to be the silver tongued linguist of the convention, told eloquently of the influence of public parks upon the morality of the community. The paper of William Ordway Partridge was read by title only. President Loring was unable to preside at this session and the chair was occupied by S. A. Foster, of Des Moines, Ia.

The election of officers, as per the recommendations of the executive council, resulted in the choice of L. E. Holden, of Cleveland, O., as president. Mr. Holden is president of the Plaindealer Publishing Company and was, until June 5, a member of the Cleveland board of park commissioners. Vice-presidents J. C. Olmsted and E. J. Parker, Secretary Warren H. Manning and Treasurer O. C. Simonds were re-elected. It was voted to meet in Milwaukee in 1901.

Resolutions were introduced showing that it was the sentiment of the dominant members of the society that the organization should be more directly guided to meet the needs of park people and several suggestions toward the desired end were favorably considered. In the afternoon the members were taken for a drive through Lincoln Park and to the nursery of P. S. Peterson & Son.

On Thursday evening the society held a joint session with the Architectural League of America at which a paper by Mrs. E. D. Meade, president of the Twentieth Century Club, of Boston, was read, treating of municipal improvement more from the view point of the architect than that of the landscapist. On Friday the society was taken down the drainage canal upon the steamer Hinda, the craft which bore Admiral Dewey upon his famous voyage down the big ditch which has, in this fin de siecle year, supplanted the stock yards as the one sight which no guest within Chicago's gates may be suffered to depart without seeing.

Among the members present from outside Chicago were: F. W. Salway and P. H. Warder, Cincinnati, O.; Wm. W. Folwell, Wyman Elliott, J. A. Ridgway, H. W. Jones and Mr. and Mrs. C. M. Loring, Minneapolis; M. P. Hurlbut, E. C. Van Leyen, J. R. Coryell and J. C. E. Hanford, Detroit; Thos. B. Meehan, Germantown, Pa.; Mr. and Mrs. J. C. Olmsted, Brookline, Mass.; Thos. H. MacBride, Iowa City, Ia.; Mr. and Mrs. Lewis Johnson, and E. Barker, New Orleans; G. A. Parker, Hartford, Conn.; W. J. Stevens, Carthage, Mo.; E. J. Cornish, E. J. Ellison and W. R. Adams, Omaha; Sidney A. Foster, Des Moines; J. H. Patterson, E. L. Shuey and W. A. Sinclair, Dayton, O; C. J. Maloy, Rochester, N. Y.; Mr. and Mrs. J. V. N. Standish. Galesburg, Ill.; J. D. Fitts, Providence, R. I.; L. R. Taft and H. P. Hedrick, Agricultural College, Mich.; Wallace Wood, University of New York; Nelson Bogue, Batavia, N. Y.; L. R. Love, Kalamazoo; Cyrus Peck, Newark, N. Y.; E. J. Parker, Quincy, Ill.; Rebecca L. Richmond, Grand Rapids, Mich.; Wm. Scott, Buffalo; Mr. and Mrs. Warren H. Manning, Boston; Miss Edith A. Canning, Warren, Mass.; C. E. Lewis, H. J. Weber, W. A. Starke and August Rebhan, Milwaukee.

Notes on Plant Growing.

The season of most active growth for plants in general being now at hand, no time should be lost in patching up the depleted stocks, either by purchase or propagation. Greenhouse space is too valuable to be empty during the summer months though overcrowding will not produce the highest grade of stock, and it seems worth remembering that a house comfortably filled with plants each individual of which is perfect, and consequently salable, will give a better net result than one of similar size that is overcrowded with a lot of drawn and spindly stock, much of which may only be sold as culls.

That worthy favorite, Nephrolepis Bostoniensis, than which, as our friend Wm. Scott has recently written, there is no better fern for the house, will doubtless occupy many more greenhouses during this season than ever before, its conduct and results having been so uniformly satisfactory in the past. The most approved method of growing the Boston fern during the summer is to plant out the young stock on a bench containing four or five inches of well enriched soil, in fact much the same compost as one would use for chrysanthemums, but giving the ferns sufficient protection from full sunshine to ensure a deep, rich color for the foliage, for light green fern leaves are not nearly so popular in the American market as they seem to be in some European centers.

Plenty of water, both overhead and at the roots, will be required by these ferns as the weather grows warmer, but some care should be given in its application in order to prevent washing the soil over the lower fronds, for mud-stained leaves detract much from the ornamental value of such a plant. The lifting and repotting of the Boston ferns should be so timed in the fall as to allow a few weeks for re-establishment in the pots or pans before the plants are offered for sale.

Great quantities of dormant stems of Cycas revoluta are now annually imported and offered by the large dealers, these being on the market at about this time of the year usually, and forming a paying investment to many growers. With carefully selected stems there is but little loss, and starting them into growth does not present any great difficulties, the main points being about as follows: Pot the stems into as small pots as possible, and set them firmly, using a good rose soil, after which they should be placed in a warm palm house, or similarly shaded structure, and given a good watering to settle the soil and start the sap in the stems. If the pots containing the cycas stems are plunged in a hotbed the growth will appear more quickly, but has the disadvantage of getting ahead of the root action, which will produce plants with a fine head of fronds but no foundation, this state of affairs giving rise to no small dissatisfaction on the part of the final purchaser. A little more time given to the proper hardening of the growth on these newly imported plants would save many a complaint made to the retail dealer.

The present is also a good time for the topping of Ficus elastica, another of the standard house plants of the period. If the stock plants of ficus are kept in a warm house, the tops carefully mossed and kept continually moist, there is but a very small percentage of loss in this operation, it being probably the safest method of propagation, not only for ficuses but also for several other foliage plants. The method of growing on young plants of Ficus elastica by means of planting out in the open air is a very reasonable one, and has already given some very good results, the plants so treated producing large leaves of fine color and good substance. Plenty of manure should be given, and also careful cultivation in order to avoid having any damaged foliage, and unless it is south of Washington it would scarcely be advisable to plant out the young ficuses before June 1 unless the season is a particularly favorable one.

At about the same time of the year araucarias may be placed outdoors, but in the latter case a lath shelter to screen the plants from the full effect of the sun is necessary, and frequent syringing during the dry and hot days of midsummer is required to avoid the attacks of red spider and thrips. In fact one of these lath structures with the open side toward the north or west often proves a very useful storage place for various plants that have been used for decorative purposes during the preceding winter, giving them just enough protection from the sun and wind to allow for their gradual recuperation. W. H. TAPLIN.

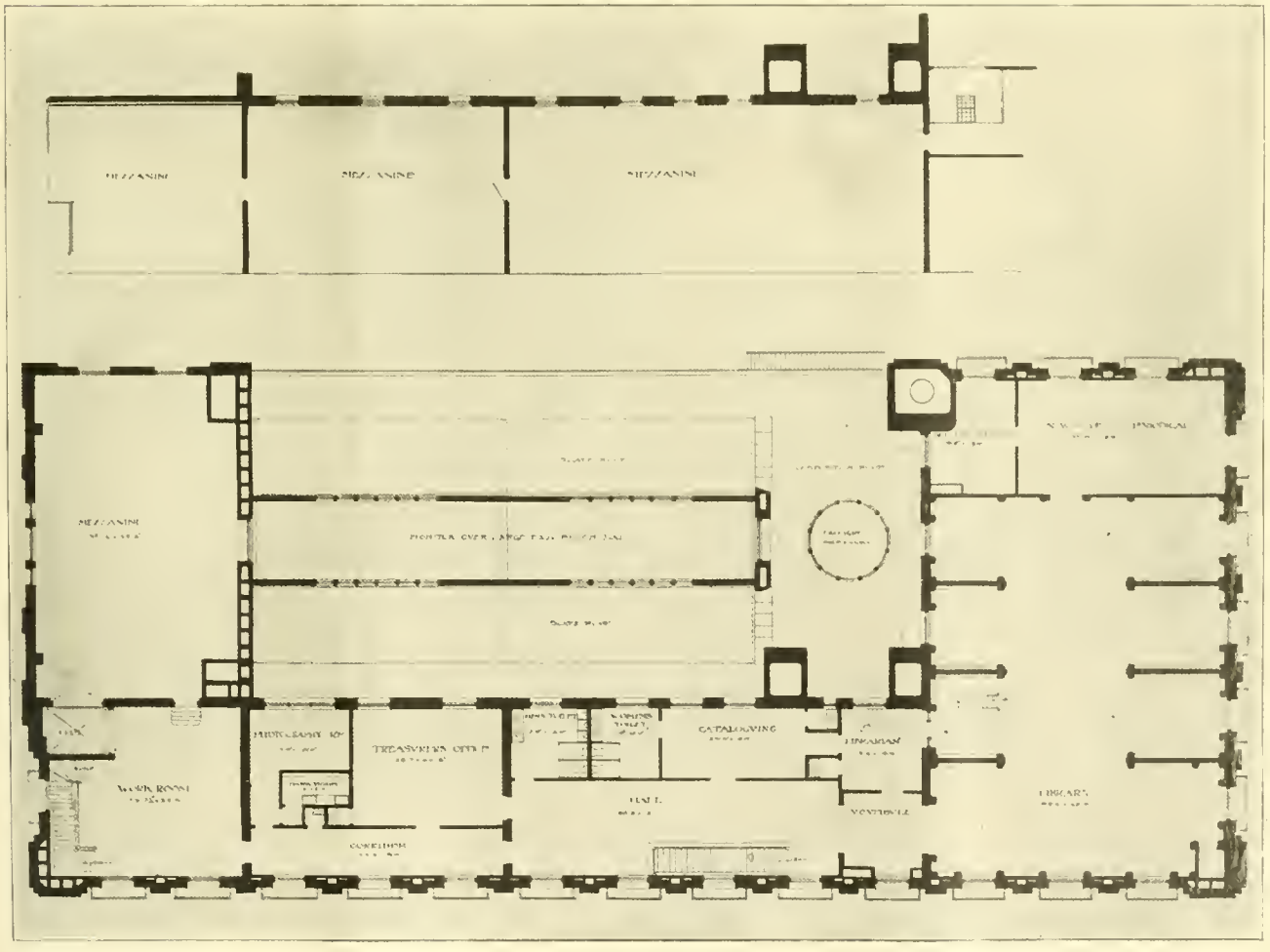
Boston's New Horticultural Hall.

Contracts having been signed and active work having begun on the magnificent new home for the Massachusetts Horticultural Society, plans for which have been under consideration by the building committee and architects for the past year, we take pleasure in presenting herewith diagrams of the complete plans as adopted and a view of the structure as it will appear when completed. The location is on Massachusetts avenue between Huntington avenue and Falmouth street giving a frontage of 210 feet on the former and of 94 feet on each of the two latter named streets.

The treatment of the exterior is what might be termed a free use of the English renaissance, and the principal features of the facade are the strong, rusticated corner piers and the colonnade of brick pilasters supporting an entablature. The building is to be two stories in height. The first story windows are arched and the second story windows are designed in conjunction with stone and metal balconies. The windows, as regards their divisions, recall somewhat Hampton Court in England. The entrances, three in number, are placed in the center of the Massachusetts Avenue facade, each occupying one of the thirteen dais, into which this front is divided.

The building will be constructed of eastern water-struck brick laid, Flemish

A VIEW OF THE EXTERIOR.



SECOND FLOOR PLAN.

BOSTON'S NEW HORTICULTURAL HALL.

bond, in white mortar, and the trimmings are to be of Indiana limestone. The ornamentation is to consist of the carving of the limestone, such as the capitals of the pilasters, the brackets supporting the balconies, etc., the seal of the society, which appears directly over the central entrance, and the decorations about the windows flanking this seal; and further, the building is to benefit largely by the free use of more or less richly colored marble, which is to be set into the brick work, enclosed with Indiana limestone, carved. The name of the society in bronze on a marble panel, appears in frieze directly over the entrance. The distance from the sidewalk to the main cornice is 56 feet and the cornice is surmounted by richly modeled terra cotta cheneau.

The Huntington Avenue facade consists of five dais, treated in a manner similar to the main front. On the Falmouth street side is placed the large entrance to the main exhibition hall, sufficient in size to allow of driving in with teams so that exhibits may be unloaded expeditiously and safely, regardless of the weather outside. This exhibition hall is to be treated in brick and is lighted by large windows extending the entire length of one side and by abundant overhead light from a monitor in the roof. The floor will be of screened gravel. This hall 52½x123 feet in area, is accessible from the entrance vestibule, as is also the smaller exhibition hall at the front, which is 28x57 feet. On the Huntington avenue end of the building is placed a lecture hall, 48x68 feet, raised some four and one half feet above the floor of the exhibition hall and connected to same by a loggia 28x52 feet.

In the second story, on the Huntington avenue end, and directly over the lecture hall, is located the library, which is to be fitted in the most approved manner with book stacks grouped in alcoves. On this floor is also placed the newspaper periodical room, the herbarium, a room for special study and separate rooms for the librarian and for cataloguing. The treasurer's office is upon this floor and a studio with dark room is provided for photographing rare plants, etc., that may be exhibited from time to time. In the basement are three committee rooms, one of them 46½x36½ feet. This latter is intended as a supper room on occasions when the lecture hall is being used for parties, and is connected to a service room and kitchen at the rear. A service room is also to appear on the first floor directly above and is to be connected by dumb waiter, which allows of the lecture hall being used for similar purposes in connection with the large exhibition hall.

The heating apparatus is to be placed in the basement; the system of heating is to be that known as the Plenum Fan System—to be supplemented somewhat by direct radiation. The toilet rooms are placed conveniently on the several floors and ample storage rooms for tables, vases and other furniture are conveniently located. Water faucets are provided at frequent intervals around the sides of the large exhibition hall, with a thorough drainage system, thus allowing the free use of water with hose or otherwise as may be required to keep plants on exhibition in good condition and permitting the continuance of the larger shows for a period of two weeks or more if desired. As stated in our issue of last week the entire cost of building and land is to be about $510,000. The building committee consists of Pres. F. H. Appleton, Prof. C. S. Sargent, Wm. J. Stewart, Geo. A. Nickerson and Chas. F. Curtis. The architects are Wheelwright & Haven and the contract exclusive of heating and ventilating has been let to C. A. Dodge.

A Ten Years' Retrospect.

[Read by Wm J. Stewart, Secretary of the Society of American Florists, before the Florists' Club of Philadelphia, June 5, 1900.]

A decade seems a fairly long time when one is looking forward, but it passes rapidly and, looking back, we are astonished at its brevity. The young man lives in the future, but as age comes upon him he is inclined more and more to indulge in meditation over by-gone days. If one who has reached or passed the meridian of life wishes to retain youthful associates and retard as long as possible the evidences of his rapidly accumulating years, let him watch out and avoid getting too much into the habit of everlastingly telling what happened ten, twenty or forty years ago. A little of it is all right, but carry it beyond a reasonable limit and one is apt to find his listeners reduced to a bunch of old fogies like himself. Knowing this, I have approached the subject assigned me by your committee with some misgivings, not being disposed as yet to line up in the columns of "has beens." Without, however, indulging too freely in tiresome retrospect or exploring too deeply in ancient history, we may, perhaps, spend a brief time profitably in reviewing our achievements for the past decade and thus acquire fresh courage and incentive to face the problems which await us in the future.

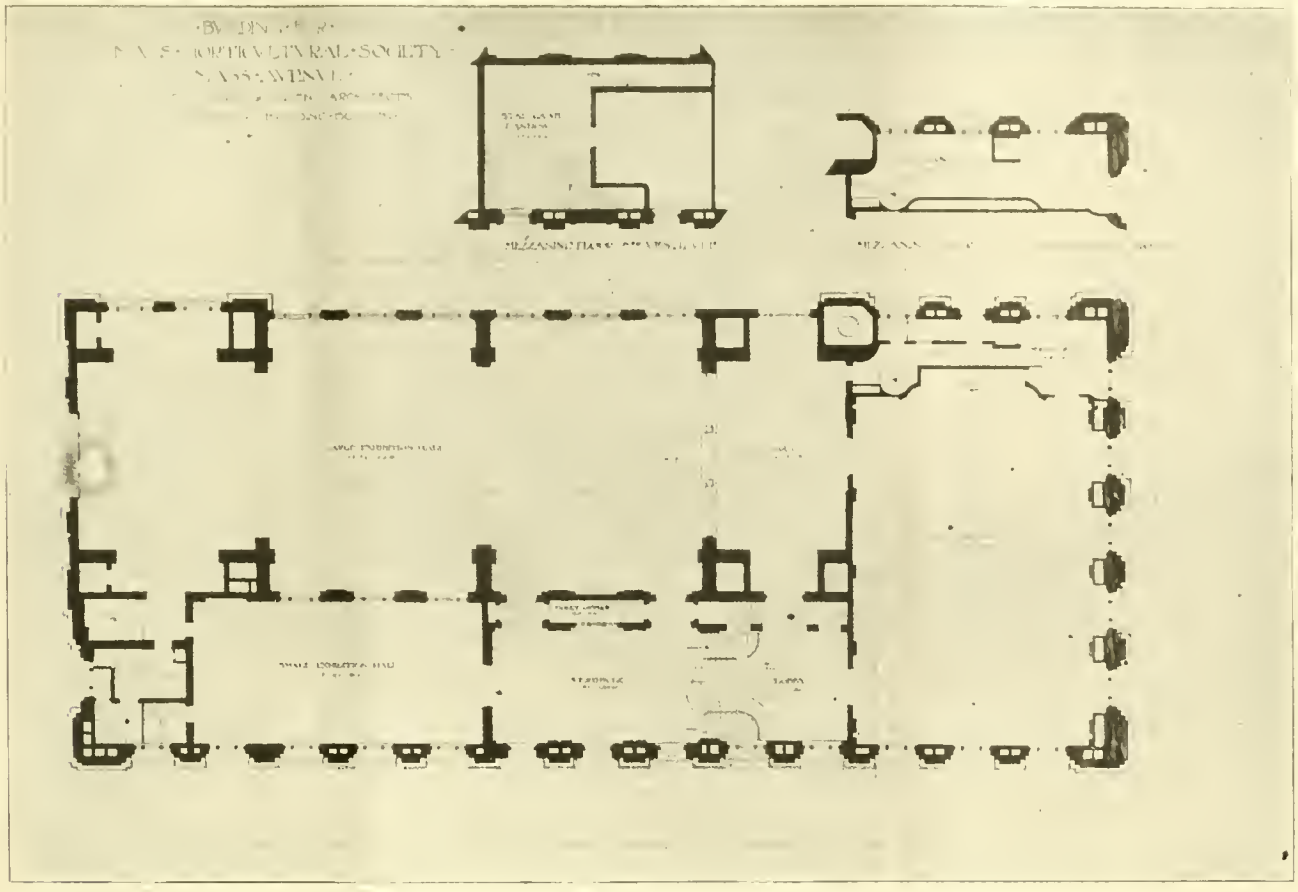
Ten years ago the Society of American Florists was in its sixth year. The Buffalo convention had passed into history. The Boston fraternity were busily engaged in the work of preparation for the approaching visit of the national society to the Hub. The Florists' Club of Philadelphia was already a prosperous young organization with a proud record and a promising outlook, while here and there throughout the country the good example set by them was being imitated and florists everywhere were awakening, for the first time in their lives, to the grand social and material advantages afforded by these useful local bodies.

So ready had the national society found the field and so effectively had it started in on the work to which it had pledged itself that, even then, the record of its services in the cause was one of which it might rightly feel proud. From the convention reports of the period we learn what questions were being discussed and what important problems we were endeavoring to solve. The standard flower pot had just been adopted and the trade was in the transition period from the old, unsystematic conditions to the improved order of things, which it now seems hard to believe we could have dispensed with for so long a time. Yet, as with all reforms, the change was not made without opposition nor was it accepted with unanimity even by those who would benefit most. A perusal of the records of the trade exhibitions at our annual conventions will bring us to realize, as much as anything else, the great practical strides we have been making, and the many devices and improvements that date their introduction from their exhibition on these occasions bear testimony to the ingenuity and genius of our colleagues whom we are thus encouraging to develop those practical and mechanical industries so closely linked with our own profession.

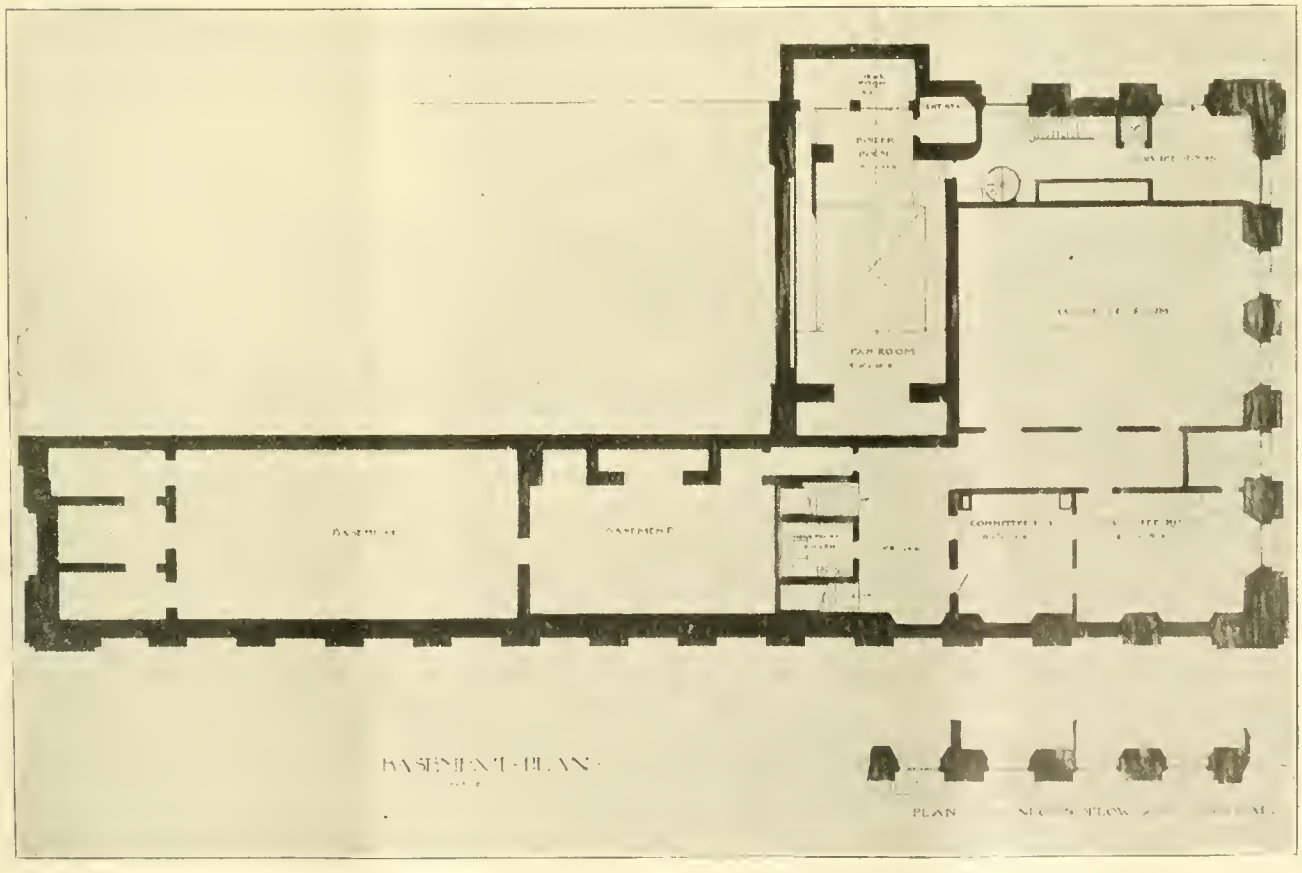
The comparative merits of steam and hot water heating for greenhouses furnished a prolific theme for discussion in the earlier days and how hot the supporters of each system were wont to get! Scientific versus practical education for young gardeners—ah! there was a veritable jaw breaker. While it is true that questions such as these are rarely settled for good and all and that the lapse of time is often the only tribunal that can determine the facts, yet the educational value of their discussion can hardly be over-estimated. Jumping over the intervening years, who will say that, in our profession to-day, both practical and scientific knowledge do not exist in much greater degree than ever before, or that we have yet reached that stage where we have a sufficient supply of either of them? Although we scarcely realize how great is the advance until we sit down and compare the olden time with the present, the problem of the higher education is slowly but surely settling itself. The floricultural "world do move" and, whether or not we individually desire it, we have all been advancing steadily with it, so that, to set back the average intelligence of the florists' trade as it exists to-day to the average as it was ten years ago, would be a calamity as great as, if not greater than, it would be to reconstruct every feature of our modern greenhouses according to the standard existing prior to that time.

McMillan's memorable satire on the prevalent style of formal gardening was the most notable feature of the Buffalo convention. It precipitated a controversy that extended over several years and was the severest blow ever dealt in this country against the artificial and abnormal in gardening. The seed planted at that time has been bearing fruit ever since. The reform in the matter of plant nomenclature which has taken place can scarcely be realized except by those who knew what were the conditions existing up to a dozen years ago and who remember the delight with which the agitation of the subject and the appointment of a committee by the S. A. F. was welcomed by the suffering trade all over the country. Thanks to that movement, plants are no longer renamed at will by unscrupulous or ignorant dealers and humbug has given way to reliability. Few committees ever accomplished so much with so little effort. There were a few short, sharp tussles at the outset and then publicity and public approval took up the work and helped prepare the way for the systems of registration which are proving so serviceable to-day in protecting the right of the originator and of the buyer.

Thus we find our entire profession elevated in a practical way through the interchange of experience and intercommunion of bright, intellectual minds which our trade organizations, together with the invaluable co-operation of an enterprising trade press, have made possible. With aggressive persistence and far reaching effort the campaign of education goes forward. The fittest are forging to the front as greater intelligence gives a well-directed impulse to enterprise. The floricultural trade is becoming barren ground for adventurers. Catalogue men and advertisers are more careful in their representation of the goods they offer, not alone because of a higher integrity but also because they know that they are dealing with a more enlightened clientele. It doesn't pay, nowadays, to misrepresent varieties; it doesn't pay to ship stale flowers as fresh; it doesn't pay to raise "any old thing"



FIRST FLOOR PLAN OF BOSTON'S NEW HORTICULTURAL HALL.



BASEMENT PLAN OF BOSTON'S NEW HORTICULTURAL HALL.

for the plant or flower market; the buyers are too well informed to be handled that way any longer. On the other hand, the man of doubtful responsibility or unsavory record finds it more and more difficult to obtain credit, as the old, loose habits give way to correct business methods. For the remarkable progress in cultural skill, too, the improvement in varieties of florists' flowers, and the advancement in gardening art along rational lines, we are deeply indebted to the influence and work of our societies. It was organization that gave us the chrysanthemum shows and made possible the tremendous wave of popularity that flower enjoyed. Organization has in a few years raised the carnation to an eminence which it could not otherwise have reached in our lifetime.

Looking back over ten years and comparing men and conditions as they existed then and as we see them to-day, there are in evidence a much smaller percentage of those who "know it all." Positive opinions are not so prevalent and instead of the "knowing shake of the head" is seen a healthy desire to learn and to improve. The intolerance that in the past fostered a disposition to mislead the enquirer has given way to a generous spirit that recognizes our obligations one to another, engenders that good feeling between business rivals whereby each recognizes that he, individually, does not hold a patent on all the integrity and that his fellow florist is not necessarily a rascal because he does business on the same street. The incentive in all this is organization, which, by bringing us into personal contact with each other, has enlarged our business capacity, strengthened our executive ability and developed our common sense so that, instead of wasting time and effort in trying to pull one another down, we unite with a will to uplift the whole outfit. Even this is uphill work. Deep seated prejudices cannot be attacked without stirring up opposition and the process of correcting abuses involves trouble for somebody's toes, always.

In the AMERICAN FLORIST of ten years ago last September we read the following: "From its inception the Society of American Florists has been a chosen mark of the critics. At first they would hardly allow it a twelve month in which to die and be buried. When that period had passed, a rousing meeting closing the year and a new prediction must be hazarded, they saw swift decay in the rule of cliques and in other dimly outlined evils. The filth annual meeting just closed has proven no exception in its disappointment to this class. They said the end had been reached and all the changes rung, the florists had learned all the society could teach. What a further disappointment will it be then to know that the universal opinion is that in all that makes the gathering of real benefit to the florist the last is still the best." Well, the S. A. F. is still a very lively corpse and apparently growing more tenacious and invincible every year.

And how has the Philadelphia club been progressing during all this time? Sorry to remind you of it and wouldn't do it except for the sake of comparison, but according to the records of the bowling tournament at Buffalo in 1889, Philadelphia had the honor of having made the lowest score in the series, 571. Glance at the score books to-day and tell us whether organization is helpful or not! Invincible with the balls, the gun or the shuffle-board—more trophies in the show case than are possessed of by "the whole push" of florists' organizations put together—the Florists' Club of Philadelphia is a "peach" and a shining example of what organization and a fraternal standing shoulder to shoulder together can accomplish.

In Boston our social opportunities in societies and clubs seem to have developed a fondness for good living rather than for athletic diversions and the only active florist's organization has a banquet at every meeting. Thus we are assured of having every member in that sublime condition consequent upon a well filled interior, when he is at the highest degree of geniality. I trust you will not accuse me of unseemly boasting, but I am inclined to think that Boston stands as pre-eminent in gastronomy as does Philadelphia in athletics. Her trophies won in many a hard fought tournament are not to be seen in any show case but are evidenced in the ample and constantly increasing waist circumference of her representatives! Yes, Boston is matchless, too, in her own favorite game and she is about to build a horticultural hall big enough to hold all her solid men without crowding and still have room left for our friends from everywhere, whom we hope to be able to welcome on and after May 1, 1901, in one of the grandest edifices ever dedicated to horticulture.

The individual benefits in numberless ways through the wholesome contact with his fellows which organization encourages. How many eloquent orators, how many astute parliamentarians, how many exquisite singers have come to light under the quickening influence of this great developer, entertaining us unselfishly and brightening our existence by their admirable social traits that otherwise might have remained dormant for all time. The evolution of the "Brave Old Duke of York" is alone a triumph sufficient to justify the formation of the Florists' Club of Philadelphia if it never accomplished another thing. Its gifted yet unpretentious exponent has given more genuine pleasure in its tuneful strains, so artlessly rendered, than has been derived from any other social feature of our national gatherings. Philadelphia is well supplied with such congenial spirits. Your grandest trophies are not exhibited in that show case that adorns your club room but are safely stored in the breasts of a thousand fellow florists who have tasted your boundless hospitality, well lubricated with the good cheer which John Westcott dispenses so liberally. I recall, by the way, that Mr. Westcott, ten years ago, gave it as his opinion that a retailer should make not less than 100 per cent profit on all flower sales. Wonder whether his views have changed any with the lapse of a half score of years?

Notwithstanding all the good accomplished, there is still plenty to do, many things proposed but not yet a reality. A reliable chart of the hail belt is wanted; all the scoundrels are not yet blacklisted, the imaginative newspaper horticulturist still revels in wonderland and the "crape chaser's" own door bell is still minus the crape. We are yet without the blue dahlia, although in New York you can now buy the wonderful "Tuba rugosa" which "blooms in three weeks, thirty-six distinct colors on one plant," for a few pennies. The national flower still blushes unseen, the mealy bug continues regular at his meals and the eel worm still has a wiggle on. The "floral artist" has not quite ceased to construct steamboats of carnations nor the landscape artist to build Jacob's ladders of alternanthera and the "mossback" is growing mossier and mossier and more difficult to stampede as the years roll on.

Organization is concentrated power. It gives courage to the faint hearted; under its beneficent rule intellects are awakened to activity, the strong help to sustain the weak and the weak help to encourage the strong; selfishness is eliminated as we learn the humane principle that what concerns one concerns all and our eyes are opened to the utter barrenness of a life where trading and hustling, brow beating and slave driving, untempered with neighborly forbearance, unselfish deeds and kindly consideration for the feelings and welfare of our fellow man, is the one controlling idea.

Help your society; it will help you. The societies are as yet only feeling their way and cutting out their work in the rough. How tremendous would be their power if every florist in the land was enrolled and would undertake to do for the common good as his share, even one quarter as much as he has benefited from the work of others! In the coming ten years we may expect to see a greater proportionate advancement than for the past decade in everything that goes to make our profession honorable or honored. Just how great the stride depends upon individual effort. If our organizations would attain to their highest usefulness, every member should be enlisted as a worker and this can only be done by making our scope so comprehensive that each individual, whatever his circumstances, will see in it something to fit his case.

There are many broad questions and far reaching issues that can be dealt with much more effectively by the national society than by the local organizations. It is one of the duties that the local club owes to the cause generally and to its members individually, to foster the interests of the national society within its own ranks. This advice, however, is superfluous in Philadelphia. The fullest measure of loyalty and earnest support has here been ever given to the S. A. F., from its inception up to the present moment, and were Pennsylvania's part in the annals of the national organization blotted out, it would be an irreparable disaster. To urge you to show up in goodly numbers at the coming convention in New York is also unnecessary, I know. It goes without saying that if any other city in the country is ambitious for the honor of sending the biggest and merriest delegation to that great event, they will have to do some tall hustling. But you'll make no mistake in coming.

New York is fully aroused and will acquit herself nobly. The enthusiastic support being given to those entrusted with the work of preparation is remarkable. It comes from all sides—rose growers, carnation growers and plantsmen; bulb dealers and supply men, wholesalers and retailers; seedsmen, nurserymen, builders and boiler men—all seem actuated by the same generous rivalry and emulation as to who shall do the most. And the resultant gain to New York floriculture it is impossible to estimate. No doubt there will be some croakers; they are with us always. Some men croak incessantly and the only apparent reason is that there's a pleasure in being a croaker which none but croakers know. In spite of them, in spite of their unfriendliness, and our own inevitable mistakes, we have every reason to believe that co-operative and fraternal sentiment is

DESIGN BY F. W. MILLER, WITH GUDE & BRO., WASHINGTON, D. C.

stronger to-day than ever before in the history of American floriculture. Of the past we have a right to feel proud; for our future we have good reason to feel confident. Let us so direct our organized effort that the historian of ten years hence will find in our acts much to praise and nothing to condemn.

London.

THE TEMPLE SHOW THE MOST IMPORTANT HORTICULTURAL EVENT OF THE YEAR.—SPACE INADEQUATE FOR THE WEALTH OF FINE STOCK SHOWN.—A GREAT VARIETY OF EXCELLENT MATERIAL STAGED.—SHOW AN ADVANCE OVER PREVIOUS YEARS.—ROYAL HORTICULTURAL SOCIETY SELECTS TULIPS FOR DISTINCTION.—E. G. HILL BUYING PELARGONIUMS.—SOME FINE SORTS FOR THE AMERICAN TRADE.

The Temple show has for some years been looked upon as the most important horticultural event of the season and it seems to increase in importance each year. Unfortunately the space at the disposal of the Royal Horticultural Society is limited, and quite inadequate to the demands of exhibitors. The space available this year, May 23 to 25, was only 12,000 feet, while the demand was for 30,000 feet, the result being that many good things were crowded out, while many of the exhibits were packed too closely to be seen to advantage. However, taking it as a whole, it was a grand show, the most important addition being the large groups of hardy subjects arranged on the lawn in the open. Orchids were again the principal feature, both trade and private growers being well represented, and the exhibits included many very striking novelties. Fruit trees in pots were an imposing feature and consisted chiefly of peaches and nectarines. Those from the gardens of L. de Rothschild, which are close to the society's Chiswick gardens, showing that it is still possible to grow fruit to perfection close to smoky London. Roses were well shown but did not include many startling novelties. Carnations were largely in evidence, especially the Mamaison type, a new crimson named H. J. Jones being considered a great acquisition. Of other sorts suitable for pot culture Herbert Cutbush, brilliant scarlet, which gained an award, may be looked upon as a great improvement. Only one exhibit of cannas was made but these were very fine, both culture and varieties being all that could be desired. Though too early in the season to be seen at their best, some good exhibits of begonias were made, the flowers of the double varieties being of enormous size. Both double and single varieties show some advance in size of flowers and habit of plants.

The hybrids of Azalea mollis and A. Sinensis were well shown, Anthony Koster, Alphonse Lavellee, Wm. A. E. Endz and Glory of Boskoop being very conspicuous and worthy of the consideration of all growers. The varieties of Azalea Indica were also exhibited, grown in English style as pyramids and also as grown in Ghent, round, flat specimens so densely covered with bloom that no foliage could be seen. Rhododendrons were well displayed, the variety Pink Pearl being one of the glories of the show. One group was edged with Sedum palustre and made a pretty effect. This hardy plant is worth looking after. Two large groups of caladiums were shown of fine quality; among the new sorts Mrs. James H. Veitch was noticeable. Gloxinias were well staged, both culture and varieties being superb; but there was an absence of the fine spotted varieties. Ferns were well represented but there was an absence of novelties. Herbaceous calceolarias were very conspicuous, four exhibitors being excellently represented.

Some very good arrangements of alpine plants were made and these proved quite an attractive feature of the show. A large frame of twenty-four tubs containing different varieties of nymphæas was a novel feature, but with the exception of N. stellata, which was very fine, they were not far enough advanced to be very attractive. Cut flowers were very numerous, one of the most interesting displays being sweet peas in upwards of fifty varieties. Tulips, especially of the Darwin type, were largely shown; Spanish irises were bright and attractive; all classes of herbaceous subjects which flower at this season were well represented. The special arrangements of cut flowers which often prove such an attractive feature of a show, were entirely eliminated. Some fine examples of fruit were much admired, but unfortunately there were no "tasting orders" so we could not test the quality. Altogether the exhibition may be regarded as an advance on previous years and on the whole the arrangements were carried out in a most satisfactory manner, reflecting great credit to all concerned.

The Royal Horticultural Society has made a trial of tulips in the open ground this season, the bulbs being supplied by several of the leading growers and importers. From the very large number of varieties grown the following were selected by the floral committee as being worthy of distinction: David Tenier, Cottage Maid, Imperator Rubrorum, Tournesol, double; Thomas Moore, La Reine, La Belle Alliance, Queen of the Netherlands, Pink Beauty, Dussart, Admiral Reinier, Hector, El Toreador, Joost Van Vondel, and the white variety Grand Duc de Russie, and Duchess de Parma. Of the above H. J. Jones was the largest contributor, having sent ten out of the seventeen varieties. In most instances the same varieties were sent by several growers. There are many fine varieties left out of this list, but I believe these have previously received awards, and the old varieties named are those which had not previously received recognition. I think it would have been far more useful to horticulture if a list of the best varieties of the various colors had been given without regard to previous awards, and the new varieties specially noticed. However, those not already acquainted with the above named sorts will not do wrong in adding them to their list for the coming season.

Ivy-leaved Pelargonium Mrs. J. G. Day is a recent addition to the hybrid, semi-double section. It is of a free branching habit, the flowers are produced in good trusses and are of a vivid scarlet. It is

certainly a great advance and likely to become a leading market plant of the future. Mr. Hill, of Richmond, Ind., was much struck with it when he visited H. J. Jones's Lewisham nursery and secured a large stock of it. Mr. Hill also secured stock of another of Mr. Jones's introductions, a hybrid between the zonal and ivy-leaved, named Achievement. The large, full, double flowers are of a soft shade of pink. Mr. Jones received an award from the Royal Horticultural Society for this several years ago, but it is not so generally grown as it deserves to be. To grow the ivy-leaved pelargoniums successfully requires care. They should be potted in a fairly good compost pressed very firmly. They must be kept growing, but must not be over-fed, for this will result in vigorous growth and little flower, but if too much starved the results will be equally disastrous. For early spring flowering a little more heat may be given than for the zonal section, with plenty of light and air, and above all see that the plants are kept free from green fly or other insects. With a little care in their culture there is no class of plants which is more appreciated. Gallee is another which every grower should add to his stock if he does not already possess it. H.

New York.

STATE OF THE MARKET.—LOW PRESSURE PERIOD SUCCEEDS THE MEMORIAL DAY ACTIVE DEMAND. — PRICES ON ROSES VERY LOW.—PÆONIES ARE PLENTIFUL. —NOTES OF THE EUROPEAN TOURISTS AND PISCATORIAL EXPERTS —THE DENIZENS OF "EASY STREET" BOOK PASSAGE FOR PARIS.—RAYNOR WINS A RAFFLE.—OTHER NOTES.

It did not require many days to restore the low pressure conditions of the cut flower market, which had been so effectively disturbed by the inroads of the Decoration day demand. In place of telegraph boys with urgent calls for roses at $4 or $5 a hundred, after the lapse of three days, we were back to Greeks willing to consider offers at $4 or $5 a thousand, and other flowers have taken a similar drop. So far as roses are concerned there is, however, little probability of a continuous deluge. Growers are not likely to postpone their overhauling and replanting any longer for the sake of the paltry sum that inferior material will bring in the market, and the demand on account of June weddings, school commencements and steamer departures can be relied upon to take good care of the finer grade stock for at least three weeks of this month. Outdoor roses have not yet begun to make any great impression. As to whether they will or not, in their season, depends upon the sort of weather we get. A few scorching dry days, such as almost invariably occur at the height of the rose season, will make short work of the outdoor competition. The only samples yet in evidence are the Jacqs and red material begins to feel the effects of these and the red pæonies. The latter are very plentiful; in fact there are pæonies in immense quantities everywhere, and of all colors, and they have got down to a pretty low figure. Sweet peas, which took a stiff position last week, have got back in price to where they were before Decoration day, but are improved decidedly in quality. Gardenias, stephanotis and white orchids are being called for and since the outdoor crop is finished, lily of the valley has advanced.

Thos. W. Weathered sailed on the Lucania, June 2, and B. Suzuki will sail for Europe, and eventually Japan, on the Etruria on June 9. Accompanying him will be Chas. Fremd, of Rye, N. Y., who may be induced to go the entire trip to the Mikado's dominions. On the same steamer Alfred Dimmock is also booked. Between the society of such a versatile artist as Mr. Suzuki and the prospect of congratulating his countrymen around St. Albans upon the progress of South African events Mr. Dimmock is not likely to find the trip a bit tedious. Mr. Suzuki's partner, Mr. Iida, will take his place at the helm during the former's absence, having arrived overland on May 23, via Seattle, which he reached on May 7 per steamer Tosa Maru. Another western arrival is L. G. Pfunder, of Portland, Oregon, accompanied by his two daughters, enroute to the Paris exposition, where Mr. Pfunder goes as secretary of the United States commissioners. He will sail on the Kaiser Wilhelm der Grosse. Joseph E. Rolker is packing up his canes and golf sticks preparatory to sailing on the Kaiser Frederick, June 7, and J. M. Keller's medicine for sea sickness is addressed to steamer Graf-Waldersee, which sails in latter part of June. Julius Roehrs says he has not made up his mind yet as to a transatlantic voyage. If nothing but "making up our minds" stood in the way there are a few of us left here who wouldn't take many minutes to settle it. How comfortable it must feel to live on "Easy street"! Andrew McKnight has gone away on a fishing trip and several others of the craft have been detected gazing in the windows of the fishing tackle stores and making memoranda of steel rods, brown hackles, multiplying reels and mosquito liniment. Maybe these latter will have just as much fun as their more ambitious colleagues who go to Paris.

John I. Raynor has won a bicycle at a raffle. He says it is the first thing he ever did win and that had it been anything of any use to him he never would have been so lucky. He will exchange it for a steam yatcht or a roof garden or will have it gilded and hung up over the desk as a mascot.

A. Herrmann is enlarging his office. He reports business in all kinds of florists' supplies as far in advance of the record for March, April and May.

Visitor: E. M. Wood, Boston.

Washington.

MEMORIAL DAY BROUGHT MUCH BUSINESS. —THE PRESIDENT SENDS WREATHS TO CEMETERIES.—HEAVY RAIN.—A GARDENER'S ACCIDENT.—HYBRID LILIES.

Memorial day was a busy season all around. Pæonies played a prominent part and were fine and plentiful. Roses and other outdoor flowers were fair. In general prices were good. Services at Arlington Cemetery were very imposing, and the decorations were elaborate and tasteful. Many beautiful designs could be seen at the graves of the most noted men. President McKinley had seven large wreaths made at the White House conservatories, of roses, pæonies, cycas leaves, asparagus and adiantums, one each for the graves of Gen. Sheridan, Gen. McCook and Gen. Carroll, at Arlington; and one was placed on the tomb of Washington at Mount Vernon; another went to the tomb of Gen. Grant, one to the tomb of Gen. Logan and one was placed beside the monument to the unknown dead at Arlington.

At the propagating garden they have been hybridizing Lilium longiflorum and L. Harrisii. Seed was sown in May, 1899, but did not germinate until October, and began to flower in May, 1900. Most of the bulbs are about an inch in diameter and in 4-inch pots. The flowers are as fine as from any imported bulbs I have seen. The flower stalks come from the side of the bulb and are from ten to fourteen inches long, with one flower.

Henry Pfister, head gardener at the White House, met with a painful accident some weeks ago, lacerating the muscles and rupturing a blood vessel in his left leg while in the act of springing from one of the fountains, and his friends will be pleased to hear that he is about again, although compelled to use crutches.

Saturday, June 2, we had a severe thunder storm. Three and one-half inches of rain fell in about three hours and many cellars were flooded. The lower parts of the Botanic Garden were under water. A. Gude's residence at Anacostia was struck by lightning but very little damage done. P. G.

Philadelphia.

WEDDINGS CONSUME QUANTITIES OF MATERIAL.—ROSES GROWING POOR.—SWEET PEAS AND PÆONIES LARGELY IN EVIDENCE.—THE PREVAILING PRICES.—JUNE MEETING OF THE CLUB.—A WEDDING IN THE TRADE.—DAVID, THE SON OF WILLIAM, OBEYS HIS FATHER'S CALL.—NOTES.

Numerous June weddings have given the artists fresh opportunities to show what they could do. All classes of trade have been benefited in this direction, as both large and small affairs have been chronicled in the columns of the daily press the past week. In addition to this there have been a number of commencements at which quantities of flowers were used. Beauties are getting scarce; each succeeding week sees a quantity of last season's stock thrown out to make room for the new plants. This together with the very changeable weather, one day warm the next cool, keeps the dealers on the jump to get good stock; $1.50 per dozen now buys about the best, although a few of the selects grade a bit higher. Teas are fast going down the hill; the flowers are getting much smaller and most of the foliage is thick with mildew. A few Kaiserins are the exception, some growers having fine stock, and there are also some good Meteors; $5 to $6 is asked for the best of the teas, while the finest Kaiserins command $8. Outside Jacq roses are coming in good shape; in fact all the outdoor roses look well, the cool weather bringing them on slowly; $1 to $2 per hundred is the price. The Crimson Ramblers will be out next week and from present appearances will make a handsome display. Carnations are still in good supply, although they are getting much smaller; $1 per hundred buys the best common, while the fancies bring $1.50 to $2. Sweet peas are now a great factor and are largely used; 25 cents to 50 cents per hundred is the price. Pæonies are in everybody's way, they are so numerous. The streets are lined with them, although they are so bulky and so cheap that the fakirs say there is nothing in them. They were a great help to the decorator, however, and many a wedding display would have had to be laid out on new lines without them; prices have varied from $1 to $3 per hundred.

The June meeting of the Florists' Club last Tuesday was fairly well attended.

The feature was the paper read by Secretary Stewart, of Boston. The essay committee did a good thing for the club when they imposed this task on Mr. Stewart. His history of what has been done by organization in the past decade was very complete and, presented as it was, in his original style, was much enjoyed. He received a rousing vote of thanks for his effort. The subject for the next meeting is "how to get the most practical good out of the coming convention." John Westcott is to tell us how to do this. Everybody knows that as promoter and manager of personally conducted tours to conventions, Mr. Westcott stands without a peer, and we have no doubt he will be able to tell us just how to be most benefited by such a visit. Mr. P. Shaw, (P stands for poet) of New York, made a few remarks in his usual happy style and told of the warm reception that is being prepared for the visitors to the S. A. F. convention in his city next August.

David Scott has left us. We are sorry to lose David; he was not long here, but he soon demonstrated that he was a good fellow, an efficient, earnest worker and a gentleman. He left rather suddenly. In fact his father needed him and, being a dutiful son, David obeyed the call There was something said, some time ago, about a young man who could not get up in the morning, but nobody hereabouts believed it of David. The "old gentleman" will have to get a move on if he beats David now. He has spent a winter in Philadelphia and he will set a pace that will keep most of the boys about him hustling to keep up with him.

Alexander B. Scott was married to Miss Sara Coburn Burpee, sister of W. Atlee Burpee, last Wednesday afternoon at Fordhook. The happy couple have the best wishes of the entire trade for a long and happy life.

George C. Watson and several friends from this city will accompany Secretary Stewart on his annual June fishing trip to Maine.

Robert Craig has been spending a few days in Washington. K.

Chicago.

MARKET AGAIN OVERBURDENED WITH CHEAP MATERIAL.—PÆONIES THE ONLY ITEM WHICH HAS HELD ITS OWN.—MILDEW ON THE ROSES.—HORTICULTURISTS GATHER AT THE ART INSTITUTE.—A VARIETY OF JOTTINGS OF GREATER OR LESS INTEREST.

The cut flower market has been gorged again this week and the surplus has extended all along the line, including every item of supply with the single exception of pæonies. Of these the available stock varied from day to day but there is apt to be an end to the condition of moderate supply with a few warm days to bring out the buds. Of roses and carnations the cuts have assumed large proportions and a considerable portion of the stock was necessarily forced out through the medium of the street Greeks. There are now large quantities of sweet peas, but Blanche Ferry continues to outnumber many times over all the other varieties in market. The cape jasmines are about done for but the outdoor lily of the valley is coming in of extra fine quality, some of it being almost as good as the average forced stock. It goes without saying that the increase in supply has been attended by deterioration of quality in all flowers, but it is really remarkable that, with the varied weather we have been experiencing, the stock grades up as well as it does. With the heat of summer at one moment and the approach of frost the next, it is not unnatural that all the blooms should show the effects and that roses should be badly mildewed with all but the most careful growers.

Brant & Noe have completed their new range of six houses and have them planted with Beauties. They report trade as particularly good this week, and are glad to have the help of their big field of pæonies, from which they are just beginning to cut, to help supply the wants of their customers.

Warren H. Manning, of Boston, secretary of the American Park and Outdoor Art Association, which has been in session here this week, was called to Lake Geneva to-day to advise as to the best methods of improving the McCormick estate there.

Joseph Reeve, Walter W. Adams and Elmer M Jerauld, all with J. C. Murray, of Peoria, Ill., spent a couple of days in the city within the past week. They report business as having been excellent, especially the plant trade.

Thomas B. Meehan, of Germantown, Philadelphia, has been in town this week and will remain until the close of the nurserymen's convention, having a report on custom house affairs to present to that body.

It would have afforded Walter Retzer a great deal of pleasure to have heard what Mrs. McCormick told the Park and Outdoor Art Association this week about the offense to art perpetrated in Chicago parks.

The pæonies are blooming at P. S. Peterson & Son's nursery and the display is worthy of the admiration of the many visitors who make an annual pilgrimage to Rose Hill for this show.

Chas. B. Weathered, of Thos. W. Weathered's Sons and treasurer of the New York Florists' Club, is a visitor who will be in town for a few days.

Poehlmann Bros. report that the sale of chrysanthemum plants is fully up to their expectations and indicates no decrease in plantings this year.

George Reinberg began to cut new Beauties and Meteors this week and the blooms were excellent for the first of the new crop.

Wm. Scott, of Buffalo, assistant superintendent of horticulture at the Pan-American Exposition, arrived in town Thursday

C. H. Fisk is sitting up nights at Randall's and feels that he is in his proper element once more, for business is good there.

McKellar & Winterson say that baskets are meeting with a heavier sale than has been noted in several years past.

The nurserymen will gather at the Chicago Beach Hotel next week and the seedsmen at the Grand Pacific.

Alfred Hildred reports the spring trade excellent in the vicinity of 3030 Indiana avenue.

Phil. Hauswirth is greatly pleased with his new location in the Auditorium Annex.

Denver.

TRADE VERY GOOD.—STOCK ABUNDANT BUT SOME LINES SHORT OF DEMAND.—EVERYONE PLEASED WITH MEMORIAL DAY BUSINESS.—A TOUR OF THE VARIOUS ESTABLISHMENTS.—NOTES OF INTEREST HERE AND THERE.

Business for the past week has been very good and a great many flowers were disposed of. Roses are not plentiful and prices are good considering the quality. First-class Beauties go readily at $6 per dozen and there are not near enough to go around. Brides and Bridesmaids sell at $1.50 per dozen for select stock, poorer quality at $1. Carnations are quite plentiful and hold up well in price, Crane at 60 cents, Flora Hill, 50 cents; Scott, Cartledge and Bon Ton, 40 cents per dozen. Sweet peas are in great abundance and the quantity disposed of at 35 cents per bunch is enormous. Pæonies are in their glory, coming in just right for commencements. Wilmore, of dahlia fame, is sending in some extra large blooms which find a ready sale at $2 per dozen. Memorial day was a hummer so far as business is concerned. The call was for cut flowers in general, pot plants going very slowly. Glauber & Webb had an immense stock which was well cleaned out. The Park Floral Co. made a very fine window display and Phil. Scott says that sales were something great, the day being nearly as busy as Easter. A little further up Sixteenth street Charlie Thiess found the only fault to be that he ran out of stock. American Beauties had first call and it was the busiest Decoration day on record. The Gallup Floral Co. claims it their best Decoration day also.

At the Park Floral Company's greenhouses everything looks neat and clean and the stock is very good. Roses and carnations are particularly fine and in full crop. Sweet peas in the large carnation house are one mass of bloom. The varieties being forced are Extra Early Blanche Ferry, Prima Donna and New Countess. Mr. Bloy, the foreman shows a batch of 1000 lily of the valley which will be just right for commencements. A house recently planted with American Beauties is showing excellent breaks. All Brides and Bridesmaids are grafted and Beauty is being tried in large quantities. A fine batch of Japanese longiflorums are coming on for the June weddings, also Lilium auratum and L. speciosum, which will come a trifle later.

At the greenhouses of the Colfax Avenue Floral Company the ever genial Mr. Beer is as busy as a hen with thirteen chicks. Cut flower business has been very good there and as the place is in the direct line to the cemetery they have a fine plant trade. They are building two houses for carnations and expect to add more later on.

It has rained for eight Sundays in succession. What do you think of that for a dry climate! June 2 we had quite a hail storm, but fortunately it did no damage.

There is soon to be a match game of bowling between the Colfax Avenue Floral Company and the Park Floral Company employes.

At City Park Superintendent Graham has set out many thousands of bedding plants and everything is in excellent shape.

Phil. Scott seems to best the venerable John Berry at bowling. Mr. Berry doesn't like it and plainly says so.

Al. Mauff, of Harman, is very busy rebuilding some of his houses. MUM.

MILWAUKEE.—Fred. Holton, of Holton & Hunkel Co., was married, June 6, to Miss Lillian M. Loell, at the residence of her sister, 790 Booth street, this city. The wedding was celebrated by relatives only. Mr. and Mrs. Holton will be at home shortly after a brief trip in western and central Wisconsin. Mr. Holton is one of the most popular young men in the trade, and has the congratulations and kind wishes of numerous friends.

C. B. W.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

It is none too early to make arrangements for attending the S. A. F. convention at New York in August.

PROF. B. T. GALLOWAY, of the Department of Agriculture, Washington, D. C., states that the carnation crop in this country represents an annual value of over $4,000,000 and that it is constantly increasing.

A FRENCH writer states that mustard and other cruciferous weeds may be destroyed in grain fields by spraying with a solution of sulphate of iron. The work should be done when the weeds have four or five leaves. The solution recommended is a twelve per cent one, using about thirty-six gallons to the acre.

The Right Thing.

ED. AM. FLORIST:—In regard to your paper, I believe it is "the right thing in the right place" and I find it a great help in many ways. H. J. SMITH.

Hinsdale, Mass.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Richard Gardner registers seedling Canna Bobs, a dwarf variety of the French type, growing about eighteen inches tall; foliage thick, leathery and dark green; flowers, orange scarlet, sometimes slightly margined with yellow; petals one and one-half inches wide; spike compact.

WM. J. STEWART, Sec'y.

New York Convention, Important Notice!

Members of the Society of American Florists who have attended previous conventions and know something of the discomforts of waiting in line for an opportunity to pay assessments and procure badges do not need to be reminded to forward their dues to the secretary in advance and thereby contribute to their own comfort and facilitate the secretary's work. To those joining the society this year, however, this advice is given with much earnestness. The crowd at the New York convention will be unprecedented. Dues cannot be paid while meetings are in progress and hundreds of applicants will be demanding attention before the opening session on the morning of the first day, the possession of a badge and membership receipt for 1900 being absolutely necessary before any individual can sign the roll book and receive invitation cards for the various entertainments provided by the New York Florists' Club, including the ladies' ride, which is planned for the afternoon of the first day. Memberships paid at any time during the year expire on December 31, so there is no advantage in deferring payment until August. On receipt of $3 from those who have paid membership dues for 1899 and of $5 from all others, certificate and badge for 1900 will be mailed promptly from the secretary's office. Preserve your certificate and bring it to the convention with you.

WM. J. STEWART, Secretary,
67 Bromfield street, Boston, Mass.

Greenhouse Building.

San Francisco, Cal.—Domoto Bros., four houses.

Burlingame, Cal.—E. W. McLellan & Co., range of houses.

Atchison, Kans.—Manglesdorf Bros., rose house 20x100; violet house 10x80.

Denver, Col.—Colfax Avenue Floral Co., two carnation houses.

Anderson, Ind.—Stuart & Haugh, extension of range.

Hastings, Mich.—J. N. Burroughs, one house.

Wilkesbarre, Pa.—I G. Marvin, commercial house.

Holbrook, Mass.—A. G. Hanna, one house.

Nashua, N. H.—Geo. E. Buxton, house 20x125.

Westboro, Mass.—Arthur George, range of houses.

Lighting Conservatory by Acetylene Gas.

ED. AM. FLORIST:—Please inform me whether acetylene gas, to be used for lighting, would be injurious to plants in a conservatory? T. McH.

Although I have had no experience with acetylene gas in a conservatory I think I am safe in saying that the effect will be about the same as illuminating gas, and that the injury will vary with the thoroughness with which the gas has been washed. When the generator for acetylene gas is in the cellar there will always be danger from escaping gas, as if it is allowed to reach the plants in the conservatory the results would undoubtedly be disastrous. L. R. T.

Cucumber Troubles.

ED. AM. FLORIST:—Under separate cover I mail sample roots and stems of cucumbers, just as taken from the bench. Please let me know what is the trouble and the best way to avoid it. SUBSCRIBER.

The cucumber roots sent in by "Subscriber" are infested with nematodes. These worms live in the soil and attack the roots of nearly all plants. After soil once becomes infested with nematodes and the plants are put out, treatment will avail but little. Much of the trouble from nematode worms may be overcome by carefully selecting the soil and handling it in such a way that it will be thoroughly frozen before it is brought into the house. Sterilizing the soil by means of steam has resulted in much benefit, and where conveniences for carrying out such work are at hand, not only the nematodes, but also other organisms likely to prove injurious to plants, can be killed. A steam pressure of from forty to eighty pounds is necessary to properly sterilize the soil. All parts of the soil must be permeated and the whole heated to a temperature of not less than 200° for several hours. A number of large growers are practicing this method, and notwithstanding the expense, they find it pays.

B. T. GALLOWAY.

Diameter of Smoke Stack.

ED. AM. FLORIST:—We are going to put in one boiler of sixty horse-power (grate surface 4 feet x 4 feet 6 in.) and one of fifty horse-power (grate surface 3 feet 6 inches x 4 feet). We expect to build a smoke stack sixty feet high and wish to know the proper diameter, also whether it should be of greater diameter than one forty feet high? J.

In a general way the height of a smoke stack is proportioned to its diameter and a stack sixty feet high would have a greater diameter than one only forty feet. On the other hand the efficiency of a smoke stack is increased by adding either to its height or diameter and a large smoke stack forty feet in height may be as effective as a smaller one that is sixty feet high. The size desirable for two boilers of the size mentioned depends upon the style of boiler and the size and number of the tubes, but when the chimney is of ample height, as it seems to be in the present instance, it is a good plan to have its area about equal to the area of the tubes in the boilers. L. R. T.

Boston.

MARKET GORGED TO DEMORALIZATION.—ONLY SALES ARE IN BULK AT RIDICULOUS PRICES.—CONDITION IS UNPRECEDENTED.—NOTES.

The cut flower market here is in an utterly demoralized condition. Never before has such a sudden and complete collapse taken place directly following Decoration day. On that day wholesalers' ice boxes were completely empted; two days later their storage capacity was entirely inadequate for the accommodation of the vast accumulation of material of every description that came in, but for which there was no outlet. Since then conditions have remained the same. Roses received are of excellent quality, but with the exception of a few sales for high grade Kaiserins, Beauties and Bridesmaids no opening for their disposition is offered excepting to the street fakir, and at prices, in bulk, that are unquotable. Carnations have taken a similar tumble. There are plenty of sweet peas, pæonies, etc., and some longiflorum lilies that missed Decoration day, but throughout the list there is practically nothing doing. Outdoor roses have not made their appearance in this market yet.

Superintendent Pettigrew has planted about 400 hardy nymphæas and the same number of nelumbiums and other aquatic plants in Ward's pond, Jamaica Plain, this season.

D. J. Murphy, formerly with H. F. A. Lange, Worcester, has gone to take charge of the Fairfield Greenhouses at Springfield.

Catalogues and Cut Flower Price Lists Received.

The California Rose Company, Los Angeles, Cal., roses; Roupell Park Nurseries, West Norwood, London, S. E., Eng., caladiums; Dan'l B. Long, Buffalo, N. Y., florists' cards and folders; The Finley Lawn Rake Co., Joliet, Ill., rakes; D. W. Payne, Port Clinton, O., boilers; John Lucas & Co., Philadelphia, Pa., glass; E. H. Hunt, Chicago, Ill., wholesale cut flowers, seeds, bulbs and florists' supplies.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent W, care American Florist.

SITUATION WANTED—By florist, age 23 on private or commercial place, general greenhouse work. FLORIST, 90 Sixth Ave., New York City.

SITUATION WANTED—By a general greenhouse mechanic. Good references. No experience in growing, whatever Address EDGNERT WOOD, 531 N. Main St., Bloomington, Ill.

SITUATION WANTED—By gardener, married, without children; understands care of greenhouse fruits, vegetables under glass, and everything. Good references. Address JAMISON, care Heacock, Wyncote, Pa.

SITUATION WANTED—By man and wife, to take entire charge. Man is a grower and wife floral designer Man strictly temperate. Good recommendations. Write for full particulars. Address SMYTHE, care American Florist.

SITUATION WANTED—By German (can not speak English), as assistant rose and carnation grower; also understands general stock Willing to work. Good references State wages Address EDWARD BUSING, Petersburg, Ill.

SITUATION WANTED—By thoroughly reliable and practical florist as foreman or to take charge. Lifetime experience as grower and designer German, single, Distance will not make any difference. C SCHULTZ, 83 Scribner St., Grand Rapids, Mich.

SITUATION WANTED—By young Englishman; good all-around florist; experienced landscape and kitchen gardener; acquainted with retail, mail and telephone trade; also design work. Strictly temperate. Good references. Address J. LAKE, Concord, N. H.

SITUATION WANTED—By thoroughly reliable, all-around grower; German; married. Life experience; competent to fill any position—private, commercial or institution. Understands vegetables under glass. All references. Address FLORIST, 3455 Eads Ave., St Louis, Mo.

WANTED—German florist; state age, experience, wages wanted. Address THE VAIL SEED CO. Indianapolis, Ind.

WANTED—A boy from 15 to 18 years of age, as apprentice in my greenhouses. JOS. LABO, Joliet, Ill.

WANTED—Beauty grower for new section houses. Call or address BRANT & NOE, Forest Glen, Chicago, Ill.

WANTED—A young man for store and greenhouse. Send references to H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—A few good men as assistant rose growers and helpers Apply to BASSETT & WASHBURN, Hinsdale, Ill.

WANTED TO RENT—A place in good condition, of from 4000 to 6000 feet of glass. Address SCOTCH, care American Florist, Chicago.

WANTED—Man, single, sober, industrious, to do general greenhouse work; $20 per month with board B. B BLAIR, Charlevoix, Mich.

WANTED—Manager for wholesale cut flower commisson business Gilt-edged references required. Address X X, care Am. Florist, Chicago.

WANTED—Young man for assistant in rose houses. Only those who have experience need apply. J M GASSER Euclid Ave., Cleveland, O.

WANTED—A competent man to act as manager of 65100 feet of glass in cut flowers Present foreman resigns on account of ill health Address E. HIPPARD, Youngstown, O.

WANTED—Young lady or man to run retail flower store Good designer. Car fare paid to destination (Duluth) Address RELIABLE, care American Florist.

WANTED—Gardener that thoroughly understands the growing of plants for store trade. State wages, and address at once, with particulars, WILLIAMS BAY FLORAL CO., Williams Bay, Wis.

WANTED—A good, all-around man, to take charge of a retail place. Must be a good grower, and with some knowledge of building greenhouses, etc. None but a sober and reliable man need apply. Address A. E. LUTEY, Calumet, Mich.

WANTED—A working head florist and gardener to take entire charge of my private premises, 1000 feet of glass, five acres lawn and shrubbery. Must be first-class in every respect, with references Wages $60 and free use of gardener's lodge. Address C. H RICHARDS, Drawer 1259, Omaha, Neb.

FOR SALE—Chicago flower store, well located, doing good business; sickness cause of retiring. Address C B A, care American Florist.

FOR SALE OR RENT—Six greenhouses, dwelling. Bargain. W. L. WINN, White Hall, Ill.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Greenhouse plant, 25 000 feet of glass; place as good as new, 2½ acres of land with good dwelling house, barn, etc.; 14 miles from court house, Chicago. W L, care American Florist, Chicago.

FOR SALE CHEAP—Ten greenhouses, office, barn, ground and dwelling Steam heated, centrally located in city of 60,000 inhabitants. Reason for selling, widow MRS GEO. WALDBAUER, 1317 N. Michigan Ave, Saginaw City, Mich.

FOR SALE—10,000 feet of glass, steam heating, water works, ground and office: all complete and in running order, in city of 200 000; next to main entrance to largest cemetery; best of trade. Best reason for selling. Some cash required. Address M M, care American Florist.

FOR SALE CHEAP—On account of ill health, three greenhouses, one 20x50 feet, two 12x50 feet, with fine business, in a thriving city of 15 000 inhabitants. Hot water system. Houses to be moved A splendid chance for a live man to make money. Small competition. Address 105 Linn Street, Janesville, Wis.

FOR SALE—Greenhouse plant containing 7000 feet of glass, built three years ago, three acres of land, dwelling house and stock. 25 miles from Boston and a good chance for a wholesale and retail business. Easy terms Address R B, care American Florist, Chicago.

FOR SALE AT A BARGAIN

REFRIGERATOR COUNTERS

SHOW CASES

Address FLORIST, 18 Bosworth St., Boston, Mass.

FOR SALE OR LEASE 5,000 feet of glass, good dwelling, barn, one acre of ground and stock, good paying business, no competition. Will sell or lease or hire a good man to run it. If interested write me at once. A snap for some one.

CHAS. POMMERT, Greenfield, O.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,

846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE at a great sacrifice

STOCK OF PLANTS AND SIX GREENHOUSES with latest improvements, steam heat, etc.; opposite cemetery, large ground fronting main street in prosperous town close to Chicago; street car passing the door; best opportunity to secure excellent investment and well-paying business. Reason for selling, owner going to Europe.

S. Schailman & Co., Room 1204, 138 Wash. St., Chicago

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population makes the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good as new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a fine dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing

SMITH & SMITH,

P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

LARGE GREENHOUSES and FLORAL BUSINESS FOR SALE AT A BARGAIN.

Centrally located in a flourishing and growing city of nearly 150,000 people. The leading house in that line within a radius of 200 miles. A large and fine trade with the best class of customers. No house has a better reputation. No debts of any kind. This plant is offered for sale at a great bargain because the proprietors have gone into other business. Address for particulars,

Q & C, care of this paper.

Who Wants Them ?

8,000 to 10,000 lights **DOUBLE THICK GLASS**, 16x24, at $2.75 per box, (actual value $3.75 to $3.90 box.)

One 40 H. P. **HORIZONTAL BOILER** in good condition. Price $150.00.

200 red cedar posts, a lot of sash bars, ventilators, rods, sills, etc.

All the above are in good condition, and can be put on track promptly at Lansdowne station, P W. & B. (6 miles from Philadelphia.)

I purchased them at the sale of the **CONNOR PLACE** here, cheap, and will sell again at a bargain. Call or write.

W. L. REMENTER,

FLORIST. LANSDOWNE, PA.

FOR SALE

The Morris Floral Co., Morris, Ill., 61 miles west of Chicago, doing a retail and wholesale business; incorporated 1897; 20 000 feet of glass, doing a business that increases every year; the increase over 1899, was $1,282.61 up to April 1, 1900. The reason for selling is that A. Mitting, Secretary and Manager, is retiring and there is no one else in the company who understands the florist business. The property includes six acres of land, two houses and barn; everything up-to-date; boiler capacity equal to 40,000 ft. of glass; all new 1897; cannot be built to-day for less than $20,000. Terms $3,000 cash, balance good paper. Sold by bids to highest bidder. All bids must be in before July 1. If you mean business come and see us.

A. MITTING, Sec'y, Morris, Ill.

FOR SALE

Making a Change in our Method of Heating, We Offer the following Boilers For Sale:

Two No. 17 Hitchings' Boilers, shaking grates. Been in use three seasons, are in first-class order. Price $125 each.

One No. 8 Furman brick set hot water Boiler. Been in use four months, as good as new. Price $225.

One No. 6 Furman brick set hot water Boiler. In use five months, as good as new. Price $140.

One No. 8 Furman brick set hot water Boiler. In use three seasons. In first-class condition. Price $200.

One No. 7 Furman brick set hot water Boiler. In use five seasons. In good order every way. Price $150.

One No. 7. Furman brick set Boiler, steam or hot water. In use 6 seasons. In good order. Price $100.

One No. 8 Furman brick set Boiler, steam or hot water. Been in use five seasons. In good condition. Price $150.

All of these Boilers are in the best condition. Shaking grates in all. Have just been taken out to make room for two large boilers. Will deliver F. O. B. Richmond.

ADDRESS

W. A. HAMMOND,

107 East Broad St.,

Richmond, Va.

Grand Rapids, Mich.

We have been having bad weather, good weather, all kinds of weather, including a Decoration day trade that was immense. A heavy demand was anticipated and the supply was the largest in years, but sold out clean. Business in cut flowers is now dull, quantities of carnations and roses going to waste. Lilies are about over and what there are go slowly at $1 50 per dozen. A Chicago Greek has commenced operations at the curbstone in the downtown district and sweet peas are being peddled from house to house at 5 cents per bunch. The bedding out season is now at its height and the trade in hanging baskets and boxes is much larger than last year.

Otto Baumann, of Manistee; Frank A. Goecke, of the Petoskey Floral Company, and J. N. Burroughs, of Hastings, Mich., were recent visitors. Mr. Burroughs is building a new greenhouse and was looking for a boiler.

B. E. Wadsworth, of Toronto, Canada, has taken charge of Crabb & Hunter's establishment as foreman. G. F. C.

Wholesale Flower Markets

CINCINNATI, June 7.

Roses, Bride	3 00@ 4.00
" Bridesmaid	3 00@ 4 00
" Meteor	3.00@ 4.00
" Perle	3 00
Carnations	.75@ 1 00
" fancy	2.00@ 3 00
Lily of the valley	4 00
Gladiolus	4.00
Callas	6.00@ 8 00
Stocks	2 00
Sweet peas	.30@ .40
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	15
Harrisii	8.00@10.00
Asparagus	50.00

ST. LOUIS, June 7.

Roses Bride, Bridesmaid	3.00@ 5.00
" Meteor	3 00@ 5 00
" Perle Wootton	2.00@ 3 00
Carnations, common	.75@ 1.00
" fancy	1 50@ 2.00
Lily of the valley	3.00@ 4 00
Jaconies	3 00@ 5 00
Sweet peas	25@ .40
Callas	6 00@ 8 00
Harrisii	6.00@ 8 00
Smilax	12.50@15.00
Adiantum	.60@ 1.00
Asparagus	15.00@50.00

MILWAUKEE, June 7.

Roses, Beauty, long, per doz.	3 00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4 00@ 6.00
" Meteor	4.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	4 00
Auratums lilies	15.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, June 7.

Roses, Beauty, fancy	15.00@20.00
" " extra	10.00@12 00
" " No. 1	5 00@ 8 00
" " culls	3 00@ 5 00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	3.00@ 6.00
" Cusin	2.00@ 4 00
Carnations, ord'nary	.75@ 1 50
" fancy	2 00@ 3.00
Lily of the valley	2 00@ 4 00
Harrisii	6 00@10.00
Sweet peas	.50@ .75
Pansies	.25@ .50
Daisies	.50@ 1.50
Mignonette	.75@ 1 50
Smilax	12 50@15 00
Gladiolus	3.00@ 6.00
Adiantum	75@ 1 00
Asparagus	35 00@50.00

DENVER, June 6.

Roses, Beauty, select	25.00@35.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	5.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	4.00@ 5 00
Carnations, ordinary	1 50@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	4.00
Callas	12 50
Harrisii	12.50
Sweet peas	.50@ .75
Asparagus	60.00
Smilax	18.00
Ferns	.50
Galax leaves	.20

Orchid Flowers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

Shipments made direct from greenhouses, insuring fresh and perfect blooms.

N. B. It is particularly requested that the stock here offered be not confused with similar stock offered by commission dealers at lower prices, which has been shipped from New York. Rosebank Orchids are never sold through commission dealers.

CATTLEYAS
(IN VARIETY)
$6.00 per Dozen.

500,000 FEET OF GLASS

PETER REINBERG.

PRICE LIST.

LARGEST GROWER OF
CUT FLOWERS
IN AMERICA.
51 Wabash Ave., CHICAGO.
Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

AMERICAN BEAUTIES.	Per Doz.
Long	$3.00
Medium	1.50 to 2.50
Short	1.00 to 1.25
	Per 100.
METEOR	$4 00 to $6.00
BRIDE	3.00 to 5.00
BRIDESMAID	3.00 to 5 00
PERLE	3.00 to 4.00
GOLDEN GATE	6.00 to 8.00
CARNATIONS, fancy	1 50 to 2.00
" common	1.00 to 1.25

Everything in the
CUT FLOWER
line.

WIRE WORK,
the kind
that will give satisfaction.

and a
complete line of FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

FLOWERS of ALL DESCRIPTIONS
For Commencement Exercises and June Weddings.
C. C. POLLWORTH CO., Milwaukee, Wis.

SUCCESSFUL SELLERS
are the successful growers who advertise in
THE AMERICAN FLORIST

J. B. DEAMUD,

51 WABASH AVE., CHICAGO.

CURRENT PRICES.

Send your order in early. We shall have an abundance of all kinds of flowers.

Headquarters for PÆONIES.

CATTLEYAS, $4.00 per Dozen.

	Per Dozen.
BEAUTIES, short	$1.00
" medium	1.50 to 2.00
" long	2.50 to 3.00
	Per 100
BRIDES and MAIDS	$3.00 to $4 00
METEORS	3.00 to 4.00
PERLES	2 00 to 3.00
KAISERINS	2.00 to 4.00
" very fancy	6.00
CARNATIONS, assorted	1.00 to 1.50
" fancy	2.00 to 3.00

	Per 100
PEONIES	$3.00 to $5.00
LIL. HARRISII	8 00 to 10.00
CALLAS	8.00 to 10.00
FORGET-ME-NOT	1.00
VALLEY	4.00
FERNS Per 1000 $1.50	.20
ADIANTUM	.50
SMILAX Per doz. $2.50	20.00

☞Prices subject to change without notice.

McKellar & Winterson's

Modern Supply House.

We have a fine assortment of

BASKETS suitable for **SCHOOL CLOSINGS**

and offer same at greatly reduced prices.

Special attention given to assortments, $5.00, $10.00 and up. Parties leaving selection to us will be sure of getting nothing but strictly good standard styles, as we have no other.

Give us your order now together with your needs in CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

HARDY CUT FERNS New crop Fancy and Dagger Ferns will be ready for shipment by June 15. Now is the time to arrange for your summer supply. We guarantee to furnish strictly first-class stock Write for special prices to the trade on **Ferns, Sphagnum Moss Laurel, Evergreen Festooning, Hemlock and Spruce Boughs, etc, etc** On receipt of 50c. I will send as sample, 1000 assorted ferns, also sample of moss, etc. Address all letters and orders to

H. J. SMITH. HINSDALE, MASS.

WEILAND - AND - RISCH

We are large Growers and Shippers of CUT FLOWERS

ALL THE NEW VARIETIES.

YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, June 8.

Roses,	Beauty,	extra long stems	3.00
"	"	30 inch "	2 50
"	"	24 " "	2.00
"		20 " "	1 50
"	"	15 " "	1.25
"	"	12 " "	1.00
"	"	8 " "	.75
"	Bride, Bridesmaid.		3.00@ 5 00
"	Perle		2.00@ 4.00
"	Meteor		4.00@ 6.00
"	La France		4 00@ 5.00
"	Golden Gate		6.00@10.00
Carnations			1.00@ 1.50
"	fancy		1.50@ 2.00
Lily of the valley			3.00@ 5.00
Mignonette			2.00@ 6.00
Harrisii			8.00@10 00
Callas			8 00@10 00
Sweet peas			1.00@ 2.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			12 50@15.00
Asparagus			60.00@60.00

Lynch WHOLESALE FLORIST.

64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

Violets Roses

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL FURTHER NOTICE, WILL BE OPEN FROM 6:30 A. M. TO 10:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, JOBBERS IN
Always on Hand:
CARNATIONS, FLORISTS' SUPPLIES
BRIDESMAIDS,
BRIDES.

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR

....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,

CHICAGO.

It is good business policy to mention the

...AMERICAN FLORIST

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, June 6.

Roses, Tea	1.00@ 2.00
" " extra	3.00@ 5.00
" Beauty, extra	12.00@20.00
" " firsts	5.00@ 8.00
Carnations	.50@ .75
" fancy	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus	35.00@40.00
Smilax	15.00@25.00
Adiantum	.75@ 1.00

BOSTON, June 6.

Roses, Beauty, extra	15.00@25.00
" " medium	4.00@ 6.00
" culls	1.00@ 2.00
" Bride, Bridesmaid, Meteor	1.00@ 4.00
" extra	6.00@ 8.00
" Kaiserin	6.00@ 8.00
Carnations	.50@ .75
" extra	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Longiflorums	6.00@ 8.00
Sweet peas	.50@ .75
Astilbe, Stocks	1.00@ 2.00
Mignonette	1.00@ 2.00
Smilax	10.00@12.00
Asparagus	50.00
Hardy ferns	.25

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.

A complete line of Wire Designs.

Woodroffe & Bernheimer,
Wholesale Florists
1604 LUDLOW STREET,
'Phone 1-42-69-A. PHILADELPHIA.
Consignments Solicited.

LEO. NIESSEN,
Wholesale Florist,
N. W. COR. 13TH AND FILBERT STREETS,
LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.
Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
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Consignments of Roses, Carnations, Violets solicited.

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Orders by mail, telegraph or telephone will receive prompt attention.
Consignments of good stock solicited.

...GEO. M. KELLOGG...
Largest Grower of... in the West. Cut Flowers
Give us an order and we will please you.
Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
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JOHN B. FERGUSON,
Wholesale Florist,
5515 Fifth Ave, PITTSBURG, PA.
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Consignments of Roses, Carnations and Violets. Solicited.

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22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
JUNE SPECIALTIES. Orchids, Roses, Carnations.
Telephone 2066 Madison Sqr. 42 West 28th St., NEW YORK CITY.

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New Telephone No. 1803 Madison Square.
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GHORMLEY & PERKINS,
Wholesale Commission **Florists,**
New and Commodious Establishment at 57 West 28th St., NEW YORK.
Prepared to handle large or small consignments of cut flowers to growers advantage
Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
406 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
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Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, June 7.

Roses, Beauty select	15.00@20.00
" " medium	4.00@ 6 00
" " culls	50@ 2 00
" Bridesmaid, Bride, Meteor	.50@ 2 00
" " " Select	4 00@ 6 00
Carnations	1 00@ 1.50
" fancy	2 00@ 2.50
Lily of the valley	2 00@ 3 00
Mignonette	1.00@ 2 00
Sweet peas	.25@ .50
Pæonies	1.00@ 2.00
Harrisii	4.00@ 6.00
Cattleyas	30.00@40 00
Gardenias	12 00@ 15 00
Smilax	8.00@12 00
Asparagus	25 00@35.00
" Sprengeri, per doz. bunches	1@1 50
Adiantum	.50 .75

BUFFALO, June 7.

Roses, Beauty	15.00@20 00
" Bride, Bridesmaid, Meteor	3.00@ 6.00
" Perle, Niphetos	3 00
" Kaiserin	6.00
Carnations	1 00@ 2 00
Lily of the valley	3.00@ 4 00
Sweet peas	.50
Harrisii	10 00
Smilax	15 00@20 00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	20@ 25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

We've thousands of readers and hundreds of advertisers. Each helps the other.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. Wholesale Florist.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application.

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE.

There Are Buyers
For all kinds of good stock advertised in.....
THE AMERICAN FLORIST

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.
Tel. 421 Madison Squa
.....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Pres.; ALBERT MCCULLOUGH, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

MRS. T. B. SHEPHERD, of Ventura, Cal., who has been quite ill for several weeks, is now able to attend to business.

W. ATLEE BURPEE passed through Chicago, June 7, on his way west. He will meet Mrs. Burpee in California and on his return expects to sail for Europe about July 10.

VISITED CHICAGO: J. E. Button, of the Haines Seed Co., Denver, Colo.; A. Forbes, of Peter Henderson & Co, New York; Miss Ph. Headworth, of Vaughan's Seed Store, New York.

DEALERS in blue grass seed say the crop this year will be fully sixty per cent larger than that harvested for many seasons. Farmers have been unusually successful, and the seed will be of superior quality. A great deal of the seed goes to Germany.

LARGE numbers of seedsmen, wholesale and retail, will visit Chicago next week on the occasion of the annual meetings at the Grand Pacific Hotel of the American Seed Trade Association (June 12-14) and the Wholesale Seed Merchants' League (June 15).

CANADIAN pea growers report long continued dry weather and frosty nights through May, but recently the weather has turned warmer, the night frosts have ceased, and a very fine rain has visited the district, making a great improvement probable in the next ten days. The prospects on the whole now seem favorable.

Settlement of the Leonard Loss.

The loss on the five-story Leonard building at 147 West Lake street, Chicago, owned by C. T. Boal, which was destroyed by fire on the evening of November 1, 1899, was settled June 5 at 80 per cent of the $15,000 insurance, through the agency of R. W. Hosmer & Co. Six companies held risks and all have agreed upon a settlement except the Orient, with a policy of $2,500, which is likely to be arranged on the same lines. The delay is caused through a deal now in progress for the taking over of the Orient's business on a cooperative basis by the London and Lancashire. S. F. Leonard, who occupied the building as a seed warehouse, had $76,500 insurance. Of this sum $45,000 has already been paid. It has been an open question since the fire, which started in the New England Mills adjoining, whether the Leonard building collapsed or was destroyed by fire. The matter was taken to the courts and seemed likely to remain in litigation for a number of years, when the representatives of the different companies came forward and offered to settle. The basis of settlement on the seed stock was sixty-five per cent, which leaves a balance of only $4,725 in process of liquidation.—*Chicago Tribune.*

TARRYTOWN, N. Y.—The Tarrytown Horticultural Society held its monthly meeting at the Vanderbilt building on Thursday, May 31. Geo. Glassman and Wm. P. Mobam were elected to membership. Thomas Cockburn read an excellent paper on the cultivation of small fruits, which incited a very interesting discussion.

Potted Egg Plants & Begonias

New York Spineless Egg Plants, fine stocky plants in 3-inch pots, $3.00 per 100, $25.00 per 1000. Begonia Rex Plants, named sorts in 2½-inch pots, just ready for a shift, 70c per dozen, $5 00 per 100. WRITE for quotations on White ROMAN HYACINTHS, Paper White NARCISSUS and Dutch Bulbs.

JOHNSON & STOKES, 217-219 Market St. Philadelphia.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

ROEMER'S Superb Prize Pansies

The finest strain of Pansies in the World.....

INTRODUCER AND GROWER OF ALL THE LEADING NOVELTIES.

Highest Award Inter. Exhibition at Hamburg, 1897. Catalogue free on application.

Fred. Roemer,

Seed Grower, QUEDLINBURG, GERMANY.

Forcing Bulbs

Import Price List

JUST ISSUED.

A postal card will start it, and you will find therein many things of interest.

VAUGHAN'S SEED STORE,

CHICAGO. NEW YORK.

A. BLANC & CO.

CACTI, BULBS AND PLANTS.

Send for prices on your wants.

314 No. Eleventh St., PHILADELHIA, PA.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longillorum, Azaleas, Etc.

Send us list and we will give figures. Address

H. H. BERGER & CO., (Est. '78) 47 Barclay St, N.Y

ACALYPHA SANDERI

3½-inch pots, $8.00 per 100.

BOSTON FERN

$5.00 per 100.

The CONARD & JONES COMPANY,

West Grove, Pa,

BOSTON FERN A SPECIALTY.

$5.00 per 100; $40.00 per 1000.

Large plants from $20 to $50 per 100.

Cut from bench.

Salleroi Geranium, Coleus, Alternanthera.

L. H. FOSTER, 45 King St., Dorchester, Mass.

20,000 FREESIA BULBS

for sale CHEAP. Also 20,000 ASPARAGUS PLUMOSUS SEED, crop of 1900.

COTTAGE NURSERY, San Diego, Cal.

ESTABLISHED 1802

THORBURN'S SEEDS

Florists are invited to send for our quotations on

FORCING BULBS,
ROMAN HYACINTHS,
LILIUM HARRISII,
LILIUM LONGIFLORUM,
Etc., Etc.

We are large importers of HIGH CLASS BULBS.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

VICK'S SEEDS For Florists.

ALL HOME-GROWN SEEDS.

ASTER:	¼-oz.	1-oz.
Vick's Daybreak, pink	$1.50	$4.00
" Purity, white	2.00	6.00
Branching Comet, white	2.50	8.00
Vick's Branching, in colors, white, pink, crimson and purple each	.25	.75

Trade list, also Garden and Floral Guide now ready. Send for it.

James Vick's Sons, Rochester, N.Y.

Crotons Now is the time to think about bedding out these beautiful foliage plants, though in the vicinity of Philadelphia the first week in June is early enough.

We have them in the following varieties, all of which are excellent for the purpose indicated: Andreanum, Aureum Maculatum, Evansianum, Interruptum, Queen Victoria, Rubro-lineatum, and a few others. Very fine plants.

6-in. pot plants, 15 to 20 in. high, 75c to $1 each.
4 " " ..... $3.00 per dozen.
3 " " ..... 8.00 per 100.
Aureum Maculatum... $5 per 100, $35 per 1000.

Money Order Office, Chestnut Hill, Sta. H. Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co., Pa.

4-inch ROSE GERANIUMS, large plants.....5c
4-inch HELIOTROPES, large plants.....5c
2½-inch yellow and mixed COLEUS.....2½c
2½-inch ALTERNANTHERA Aurea Nana, Rosea Nana and Paronychioides Major.....2½c
2½-inch Blue LOBELIA and ACHYRANTHES Liudeni and Blue AGERATUM 2½c
2½-inch VERBENAS and CENTAUREA Gymnocarpa.....2½c

E. POWER, Frankfort, Ky.

We are the Oldest, Largest and Most Reliable Cut Flower Commission House in the West.

CUT FLOWER PRICE LIST.

	Per doz.
Beauties, long	$3.00 to $4.00
" medium	2.00 to 3.00
" short	.75 to 1.00
	Per 100.
Perle	3.00 to 4.00
Bride, Bridesmaid	3.00 to 6.00
Meteor	3.00 to 6.00
Roses, our sel., ass't.,	3.00
Carnations, extra select fancy	2.00
Fancy stock	1.25 to 1.75
Medium Grade	1.00 to 1.50

PÆONIES
—FOR—
School Commencements

KENNICOTT BROS. CO.
42 and 44 East Randolph St., CHICAGO, ILL.

CUT FLOWER PRICE LIST.

	Per 100
Smilax	$15.00 to $18.00
Callas and Harrisii	10.00
Daisies	.50 to 1.00
Mignonette	1.00
Lily of the Valley	4.00
Alyssum	.25
Sweet Peas	.40 to .75
Paonies	3.00 to 5.00
Corn Flower	.40
Common Feru, 25c per 100, $2 pr. M.	

This year's customers must be ours next year. The VALUES we give are our best advertisements.

LAKEVIEW ROSE GARDENS,
Wholesale Growers,
LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR
Cut Flowers.

FICUS ELASTICA

Top Cuttings, Well Rooted, suitable for 5-inch and 6-inch pots,
$20 PER 100

BOBBINK & ATKINS
RUTHERFORD, N. J.

Carnations
ROOTED CUTTINGS.

	Per 100	Per 1000
America	$2.00	$15.00
Gov. Griggs	2.00	15.00
Leslie Paul	2.00	15.00
Gold Nugget	1.00	7.50
McGowan	.75	5.00
Nivea	.75	5.00

ROSE PLANTS

	Per 100
Am. Beauty, 3-in. pots	$7.00
" 2½-in. pots	5.00

Bride, Bridesmaid, Perle, Meteor, Golden Gate, 3-in. pots, $4 per 100, $35 per 1000; 2½-in. pots, $3 per 100, $25 per 1000.

PETER REINBERG,
51 Wabash Ave. CHICAGO.

ROSE PLANTS

This is all nice, clean, strong stock, from 2½-inch pots.

	Per 100	Per 1000
METEOR	$3 00	$25.00
BRIDESMAID	3 00	25.00
BRIDE	3.00	25.00
LA FRANCE	3.50	30 00
AMERICAN BEAUTY Rose Bushes	2.50	20.00

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

Orchids!

Arrived in perfect condition, CATTLEYA PERCIVALLIANA and C. MOSSIAE. Write for prices.....

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

BRIDES and MAIDS,
2½-in., ready for a 3-in. shift

CASH WITH ORDER. $3 00 a 100, $25.00 a 1000.

J. B. HEISS,
The Exotic Nurseries. DAYTON, O.

MY SPECIALTY.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship, a splendid stock of plants in four separate colors, from 2-inch pots, $4.00 per 100; $35.00 per 1000. From 2½-inch pots, $5.00 per 100; $40.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

G. H. CRANE.

Strong rooted cuttings from soil, $4.00 per 100. Cash with order, please.
H. L. PHELPS, Springfield, Ill.

CARNATIONS!
F. Dorner & Sons Co.,
LA FAYETTE, IND.

WM. MURPHY
Wholesale Carnation Grower
Station F, CINCINNATI, OHIO.

SMILAX.

From flats, by mail.....50c per 100; $4.00 per 1000
" " 2-inch.....$1.50 " $13 00 "
Hydrangeas, 5-inch pots.....$3.00 per doz.
" 4-inch pots..... 2 00 "
" Rooted cuttings, $1.25 per 100; $10 per 1000
Large flowering Canna roots.....$1.00 per 100
Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

5000
Lady Campbell Violets.
Strong, Healthy Stock Plants,
$4.00 per 100. $35.00 per 1000.
H. A. JAHN, New Bedford, Mass.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also High Grade Mixed Dahlias and Dahlias under Separate Colors.

W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.
W. J. PETERS, Pres.; D. S. LAKE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

NURSERYMEN say that the Hubbardston apple has been asked for frequently of late.

ORLANDO HARRISON, of J. G. Harrison & Sons, has been elected mayor of Berlin, Md.

ANOTHER session of congress has come to an end without action upon the nurserymen's inspection bill.

THE twenty-fifth annual convention of the American Association of Nurserymen will be held at Chicago next week, June 13 and 14.

THERE are 110 varieties of lilacs at Highland Park, Rochester, and Ellwanger & Barry have a still greater number of sorts at Mt. Hope Nurseries.

C. A. SEAMAN has retired from the Sedgwick Nursery Co., Sedgwick, Kans., of which he was president, and the management will hereafter be vested in J. P. Schemerhorn.

PROF. J. L. BUDD asserts that the apple called North Star should be known as Dudley's Winter, as that is the name given it by J. W. Dudley, who grew it from seeds of Duchess.

St. Louis.

FUNERAL WORK MAKES TRADE FAIRLY ACTIVE. — SCARCITY OF HIGH GRADE STOCK IN MANY LINES.—VARIOUS JOTTINGS.

Last week, especially the latter part, proved to be very good for funeral work. Several parties report having been nearly swamped with orders on Friday and Saturday. Sunday being the feast of Pentecost in many of the churches, business in the larger portion of the city was brisk. In the wholesale market there is a scarcity of high grade roses, which includes Beauties. In fact all stock of first quality has been none too plentiful this week. Jacq. roses are about over, only a very few were received Wednesday, but sweet peas, centaureas and other stock of this kind is in abundant supply. Only an occasional pæony is seen, and the receipts of irises and callas are getting low. There is only a very limited demand for these flowers at present but throughout the season outdoor stock in general seems to have been in brisk demand.

George Waldbarth contemplates taking a trip to Europe as soon as his busy season is over. He is to make some alterations in his store, adding about twenty-two feet to its depth, which will contain an office to be fitted out with all the latest conveniences. A visit paid him last Sunday afternoon found his stock of cut flowers practically cleaned out.

Shaw Garden was thrown open to the public last Sunday. In accordance with Henry Shaw's will, a Sunday in June and one in September are the only two Sundays in the year on which visitors are allowed. Over 7,000 people passed through the gates, and the garden was pronounced by all to be in better shape than ever for this time of year.

The Ostertag brothers and one helper leave to-night for Elkins, W. Va., to handle the decorations for the wedding of Vincent Kerens, son of R. C. Kerens, the politician.

J. M. Hudson is again able to be out.

M.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogue on application. Send estimate of wants for prices.

THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.

Please mention the American Florist when writing.

ANDORRA NURSERIES.

WILLIAM WARNER HARPER, Proprietor. Chestnut Hill, PHILADELPHIA, PA.

SPECIALTIES:

Large Specimen Ornamental Trees, Hardy Rhododendrons and Azaleas.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

TREES Shrubs Roses, Hedge Plants and Herbaceous Plants. Reliable Stock at Low Prices Specialties: Japan Maples, Hardy Azaleas, Rhododendrons, Rosa Rugosa, Etc. Catalogue Sent.

FRED RICK W. KELSEY, 150 BROADWAY, N. Y.

Ampelopsis Veitchii

DORMANT PLANTS.

Extra strong and heavy,
3 feet at $15 00 per 100.
2 feet at $10.00 per 100.

Vaughan's Seed Store

84 and 86 Randolph St., CHICAGO.

Please mention the American Florist when writing.

For Fall Delivery.

FIELD GROWN ROSES, CLEMATIS,

Ornamental Shrubs, Twining Shrubs, Etc.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

Our traveling representative, Mr. J. Austin Shaw is now in the vicinity of Philadelphia and we shall be pleased on request to have him call upon any prospective purchasers.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA

CLEMATIS. LARGE FLOWERING.

In 20 splendid kinds, from pots outdoors; sure to succeed. 25c each; $2.50 per dozen.

Strong young plants of above unrivalled collection, $1 doz.; $8 per 100, free by mail or express.

C. PANICULATA, fine young plants 75c per doz.; $4.00 per 100. All will make first-class, salable stock by fall.

F. A. BALLER, Bloomington, Ill.

PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at $2 00 PER 100 and up.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

ROSES and CANNAS.

Am. Beauties, 3-inch, $6.00 per 100. Pres. Carnot, 3-inch, $6.00 per 100. Souv. de Wootton, 4-inch, $7.00 per 100.

Paul Bruant, deep red; Chas. Henderson; A. Ferrier, bronze; F. Vaughan; started plants, $6.00 per 100.

ROBERT F. TESSON, West Forest Park, St. Louis.

Bargain in Choice Plants

PANDANUS Veitchii, 4-in., fine, $6.00 per doz.

FICUS, top cuttings, 4-in., strong, $3.50 per doz.

FUCHSIA Lord Byron, 2½-in., 75c; 3½-in., $1.00; 4 in., $1 50 per doz.

CHRYSANTHEMUM, Little Chris, perpetual white, 2½-in., $1.00; 3½-in. in bud and bloom, $2.00 per doz.

CLIVIAS, strong imported, large flowering, $2.50 to $6.00 per doz.

ROSES Hermosa, Soupert, Goutier, 4-in., fine, $2.00 per doz., $15.00 per 100.

PETUNIAS, Dreer's best double, 3½-in., $5 per 100.

GERANIUMS, Nutt, Pilot, Surpass Queen Bruant, John Doyle, 2½-in., $3.50; 3½-in., fine, 6 per 100; double and single mixed, 2½-in., $2 50; 3½-in., $4; 4-in., very fine, $6 per 100. ALTERNANTHERA, red, $2.50 per 100. SALVIAS, dwarf scarlet, 2½-in., $3.50 per 100. Address

JOHN G. HEINL & SON, Terre Haute, Ind.

Please mention the American Florist when writing.

LEADING CHRYSANTHEMUMS.

White—Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Wood ord, Jones, Independence, Weeks, Frank Hardy; Yellow—Golden Trophy, Henderson, Johnson, O. P Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch; Pink—Maud Dean, Montmort, Glory de Pacific Morel, Perrin, Wurdock; Bronze—Chas. Davis; Red—Geo. W Childs out of 2½-in. pots, $2 per 100, $18 per 1000.

Also White—Lady Fitzwygram Mayflower, Chadwick and Western King; Yellow—Pennsylvania, Golden Wedding, Yellow Jones, H W Rieman; Pink—Autumn Glory; Red—Defender, Schrimpton; Bronze—Lady Hanham; 2½-in pots, $2 50 per 100, $22 50 per 10 0; 5 0 or more at 1000 rates.

ROSES, Bridesmaids, Brides and Perles, 3-in., $4 per 100, $35 per 1000; ready for benching.

Terms cash, or will send C O. D.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

CHRYSANTHEMUMS

Cullingsfordii	Mrs. Jerome Jones
Glory of Pacific	Mrs. S. T. Murdock
Ivory	Mme. F. Bergmann
Minerva	Rose Owen
Mrs. J. C. Whildin	The Queen

And other varieties from 2½-in. pots, $2.00 per 100.

ASTER

SEMPLE and VICTORIA plants from seed bed, 25c per 100, $2.00 per 1000.

CASH WITH ORDER.

R. VINCENT JR. & SON, White Marsh, Md.

Aster Plants.

OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

Chrysanthemums

Ivory, Bonnaffon, Mrs. Robinson, Merr Monarch, Bloodgood, from 2-in. pots $1 75 per 100 $15 per 1000. CASH. H. DANN & SON, Westfield, N. Y.

PRICE LIST.

ROSES.

Beauties, long	per doz,	$3.00—
" medium	"	1.50 $2.00
" short	"	1.00—
Brides and Maids	per 100,	4.00— 5.00
Meteor	"	4.00 5.00
Perles	"	4.00—
Roses, seconds	"	3.00—

CARNATIONS.

Standard sorts, select	per 100,	$1.50—
Fancy, "	"	2.50—

MISCELLANEOUS.

Paeonies	per doz.,	$ .50— .75
Harrisii $8.00 per 100,	"	1.25—
Callas	"	1.50—
Mignonette	"	.25—
Valley	per 100,	3.00— 4.00
Sweet Peas	"	.50—
Marguerites	"	.50—
Pansies	"	.50—
Cornflower	"	.40—

DECORATIVE.

Asparagus	per string,	$ .50—
Galax, green and bronze, per 1000, $1.50	per 100,	.20
Ferns $2.00 per 1000,	"	.25
Ferns, Maiden Hair, choice	"	.75—
Smilax	per dozen,	2.00—

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
ALL STOCK BILLED AT MARKET RATES.

For a long time it has been freely admitted that

"BRAG IS A GOOD DOG,

BUT HOLDFAST IS BETTER."

It is not our purpose to lead people to credit us with facilities greater than we possess, but if our growers and customers are satisfied with the treatment they have received at our hands during the past, we can assure them of equally efficient service in the future. We can care for a few new buyers.

E. C. AMLING,

WHOLESALE CUT FLOWERS.

32-34-36 Randolph Street, CHICAGO.

GRAFTED ROSES,

American Beauty, Kaiserin, Golden Gate, $10 per 100.

OWN ROOTS, FROM GRAFTED STOCK.

Golden Gate, Kaiserin, Meteor, strong stock ready for 3½-in. pots, $4 per 100, $35 per 1000.

S. J. REUTER, Westerly, R. I.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.
Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

IVORY 'MUMS FINE STOCK.

2½-inch pots,
$2.00 per 100, $17.50 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

GARDENING

This is the paper to recommend to your customers, the leading horticultural journal in America for amateurs.....
$2.00 Per Year. Sample Copies Free.
Liberal terms to florists who take subscriptions.

THE GARDENING CO. Monon Bldg. CHICAGO.

GERANIUMS, mixed, 2-inch	Per 100,	$2.50
HUMULUS var. (Jap. Hop), 2-in	"	2 00
COBÆA scandens, 2-in	"	2.00
SWEET ALYSSUM Little Gem, 2-in.	"	2.00
SELAGINELLA Dent., strong, 2-in.	"	1.50

E. I. RAWLINGS, QUAKERTOWN, PA.

Please mention the American Florist when writing.

XXX SEEDS.

CHINESE PRIMROSE.
Finest large flowering fringed, single and double, thirteen varieties, mixed, 500 seeds, $1.00; ½ pkt., 50c.

PRIMULA OBCONICA GRAND. HYBRIDA.
The very finest of the improved Hybrid Obconicas, large flowering and choice colors, truly grand. 1000 seeds, 50c.

CINERARIA GRAND. NANA.
The finest large-flowering dwarf varieties, very showy, in choicest mixture; 1000 seeds, 50c.

PANSY, FINEST GIANTS.
The finest large-flowering varieties to be had, best colors and strong growing, mixed; 3500 seeds, $1.00. A packet of the grand new Forget-me-not "Triumph" added to every order.

THE HOME OF PRIMROSES. JOHN F. RUPP, Shiremanstown, Pa.

10,000 EXCELLENT stocky 4-in. Latanias

ready for shifting, $20 per 100; $190 per 1000.

WALTER RETZER & CO. Successors to ALBERT FUCHS,
2045-59 Clarendon Avenue, CHICAGO.

ARECA LUTESCENS	6-in. pots (3 plants), very bushy, 24 in.	@$1.00;	$12.00 per doz.	
	8-in. pots (3 plants), very bushy, 26 to 30 in.	@$2.00;	$24.00 per doz.	
KENTIA BELMOREANA	4-in. pots, 5 to 6 leaves, 15 to 18 in.	$ 6.00 per doz.;	$ 50.00 per 100	
	6-in. pots, 6 " 20 to 24 in.	18.00 per doz.;	150.00 per 100	
KENTIA FORSTERIANA	4-in. pots, 4 to 5 " 15 to 18 in.	4.50 per doz.;	35.00 per 100	
	5-in. pots, 5 " 18 to 24 in.	9.00 per doz.;	75 00 per 100	
	6-in. pots, 6 " 28 to 30 in.	15.00 per doz.;	$1.25 each.	

Measurements from top of pot.

JOSEPH HEACOCK, Wyncote, Pa.

BRIDESMAID ROSE PLANTS!

I have still left a few thousand in 2-inch pots in splendid condition.

STEPHEN MORTENSEN, (Near Phila.) SOUTHAMPTON, PENNA.

Orders Now Booked

For Fall Delivery of
CARNATION PLANTS.

Chicago Carnation Co., JOLIET, ILL.

Please mention the American Florist when writing.

KAISERIN and CARNOT Rose Plants

$2.50 PER HUNDRED.

Out of 2½-in. Pots. Fine Stock.

COLE BROS., Peoria, Ill.

FLORISTS

IN WANT OF FINE

Marie Louise Violet Stock

Can Apply or Write for Particulars.

Mrs. M. J. Moore, Highland, Ulster Co., N. Y.

Please mention the American Florist when writing.

PANSIES ..THE.. JENNINGS STRAIN

FINE, STOCKY PLANTS from cold frames, in bud and bloom, $1.50 per hundred; $13.00 per thousand.

SMALL PLANTS by mail 60 cts. per hundred. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
GROWER OF THE FINEST PANSIES.

Please mention the American Florist when writing.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

Gunners, Attention!

All gun clubs intending to compete in the shooting contest at New York city next August are requested to communicate at once with Wm. J. Elliott, secretary of the committee on sports, of the New York Florists' Club, 54 and 56 Dey street, New York city.

At Philadelphia.

There appears to be nothing lacking in the bowling enthusiasm, there being practice games whenever the opportunity offers. There are a number of associate members who are constant bowlers, and the visitor to the alleys rarely wants for a partner or opponent should he care to play. The following is a list of the averages for May, including all bowlers who have rolled ten games or over:

Player	Games	Av	Player	Games	Av
Moss	55	158	Baker	58	131
Harris	83	153	Scott	10	130
Brown	31	153	Watson	42	128
Anderson	26	153	Smith	12	125
Walker	31	152	ASSOCIATES.		
Connor	19	149	Hamilton	44	171
Westcott	16	140	Johnson	53	167
Gibson	20	138	Allen	36	161
Kift	49	131	Moore	20	161

K.

With Philadelphia Gunners.

The gunners have their weekly meet, rain or shine, and are always ready for a friendly brush with a rival team as well. Last Tuesday, in connection with their handicap event, they shot a five-man team match with the champion De Lancey school team of this city and won by the close margin of four points. The special contest for the high gun trophy resulted in a tie between Landis and Anderson. In the shoot-off, Anderson won by breaking 24; Landis 23. Summaries:

Team match, teams of five men each, 25 targets per man, unknown angles:

Florists' Gun Club—Landis 24; Anderson 24; Coleman, 18; Parsons, 19; Cartledge, 20; total, 105.

De Lancey School—101.

Club contest, 50 targets per man, 25 known and 25 unknown angles, handicaps added to the scores, all totals over 50 count as 50.

	Known	Unknown	Hdcp	Tot'l.
Landis	24	22	3	49
Anderson	24	22	5	51
Coleman	18	20	6	46
Medicus	14	15	9	38
Cartledge	20	19	8	47
Dorp	21	17	18	56
Parsons	19	17	15	51
Sanford	15	18		33
Williams	9	9	16	34
Smith	14	20	10	44
Downs	21	16		37
Harris	17	16	15	48
Cooper	18	16		34
Hause	17	14	20	51
McKaraher	18	19	18	55
Sheeler	14	20	20	54
Whitaker	16	16		32

Points won in the series: Anderson, 6; Barrett, 6; Cartledge, 5; Dorp, 5; Coleman, 4; Parsons 3; McKaraher, 3; Williams, 3; Hallowell, 3; Sheeler, 3; Hause, 3; Landis, 2; Park 2; Harris, 2.

Second contest for the high average trophy, 50 targets per man—Landis, 46; Anderson, 46; Cartledge, 39; Coleman, 38; Dorp, 38; McKaraher, 37; Parsons, 36; Sheeler, 34; Smith, 34; Harris, 33; Hause, 31; Medicus, 29; Williams, 18.

At New York.

At the meeting of the bowling club on Monday it was decided that the convention tournament team be selected from members making the highest averages on three games rolled on each meeting night during June and July, only those present at not less than five meetings out of eight to be eligible. The averages June 4 were:

Marshall	183	Burns	141
Roehrs	161	Traeodly	135
Lang	158	McManus	127
Schenck	151	Von Asche	109

Captain Traendly.

Visitors to New York next August who have a drop of sporting blood in their veins will find no lack of excitement in the great bowling tournament scheduled to come off at the time of the S. A. F.

CAPTAIN TRAENDLY.

convention. An unprecedented number of teams will compete for the many valuable trophies that are to be offered and the local team, under the auspices of the New York Florists' Club, is actively preparing to give the visitors a hearty welcome and incidentally snatch a trophy or two just to show the proud Philadelphians, boasting Buffalonians and vociferous Chicagoans that they must not expect to have things all their own way. We take pleasure in presenting herewith the portrait of F. H. Traendly, captain of the New York aggregation. The scores published in these columns weekly sufficiently indicate his bowling ability; the portrait shows you how he looks when sitting for his picture; but neither scores nor picture convey any idea of his capacity as a whirlwind coacher in the heat of battle when enthusiasm waxes high and coats, vests and collars are superfluous. So look out for him and his faithful followers next August.

W. M. SCOTT, entomologist for the State of Georgia, says that the peach leaf-curl is particularly bad in the northern part of that commonwealth this season.

Heating Vegetable Houses.

ED. AM. FLORIST:—Would it be possible to heat a vegetable house 16 or 18x40 feet for lettuce and radishes, with 1-inch pipe on the sides if I run a 2-inch pipe through the center? If so how many pipes should be used? Would the house be more serviceable running north and south than east and west? Which would you advise, solid beds or benches, to obtain the best results? How would it do to have two beds? D. O. P.

The questioner does not state whether steam or hot water is to be used. For steam the plan proposed would give good results. In addition to the 2-inch steam pipe, from seven to ten 1-inch pipes will be needed according to the width of the house, the section where the house is located, its construction and exposure. For use with hot water 1 inch pipe is rather small, although it would answer. As a supply pipe it will be best to use a 2½-inch, unless two 2-inch are put in. Fourteen or fifteen 1-inch returns should suffice. Seven or eight 2-inch would be far better. The houses may be run in either direction if other conditions make it desirable, but for a narrow, even-span house, north and south is generally preferred. There is little choice between benches and well-drained solid beds. The best results will be obtained with two beds or benches and three walks.

L. R. T.

"1900" GRADUATES

Are

UP-TO-DATE

Show their friends some of our new Graduation Baskets, which are also strictly up-to-date.

You can sell them in large numbers by just showing them, for the quality and the prices are irresistible.

Some lovely patterns are just suited for outdoor roses.

Send for special price list on these and all other seasonable florists' supplies.

Double your bank account in June. It's easy enough if you keep things a-humming till Fourth of July and buy liberally from

H. BAYERSDORFER & CO.

50-56 N. Fourth St.,

PHILADELPHIA, PA.

1500 KAISERINS
1500 LA FRANCE

2½-inch Pots,
At Special Prices.

2000	BRIDESMAIDS,	3-in. pots.
5000	"	2½ "
1500	"	2 "
500	GOLDEN GATE,	2½ "
500	METEORS,	2½ "
1500	PERLES,	3 "
3000	"	2½ "

23 Houses, 60,000 Feet of Glass.

THIS IS ALL A1 STOCK.

We believe in shifting young roses often. All stock offered in 2½-inch pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established.

We guarantee satisfaction. Send $1 00 for samples of what you want; this way you get enough to tell what you are buying. Money back if you are not pleased. Write

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

ROSE PLANTS
Good, Healthy Stock.

BRIDESMAIDS, KAISERINS	3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES	2½-in., $3 per 100, $25 per 1000.

Cash With Order.

Martin A. Magnuson,
3309 N. Western Ave., CHICAGO, ILL.

AMERICAN BEAUTY
Fine, Clean Stock from 2½-in. Pots,
$5 per 100, $45 per 1000.
JOHN WALZ,
401 Central Park, ROCHESTER, N. Y.

Perles = Perles
Some very choice strong 3-in and 2¼-in. Perles for the first comers. Fine stock for early flowers.....
W. H. GULLETT & SONS, Lincoln, Ill.

ROSES.
Clean, Healthy Plants.
From 2-in. pots, $3 per 100, $25 per 1000; 500 at 1000 rate. Golden Gate, Perle, Bride and Bridesmaid, La France, Wootton, etc. **Geranium,** strong plants from 3-in. pots assorted, $3 per 100. **Rose Geranium, Heliotrope** and **Moonvine,** $3 per 100
Cash With Order.
JOSEPH HEINL, Jacksonville, Ill.

FANCY LEAVED CALADIUMS.
Growing plants, 2½-inch pots, at from $6.00 per 100 upward; 60 varieties. Also a few hundred dry bulbs, slightly started, of the above at reasonable prices This is a chance to get fine bulbs cheap. Address
F. J. ULBRICHT,
Lock Box 113. ANNISTON, ALA.

FORCING ROSES

GILT-EDGED STOCK, GROWN FROM SELECT WOOD AND WILL SATISFY THE MOST CRITICAL BUYER.

3-inch Pots.	Per 100	Per 1000
AM. BEAUTY	$9.00	$80.00
PERLE	6.00	50.00
BRIDESMAID	6.00	50.00
BRIDE	6.00	50.00
METEOR	6 00	50.00
KAISERIN A. VICTORIA	6.00	50.00
LIBERTY	40.00	

This stock is now in extra fine growing condition, ready for immediate planting. TERMS CASH WITH ORDER or satisfactory reference.
Address
S. ALFRED BAUR, SUCCESSOR TO HENRY A. NIEMEYER,
ERIE, PA.

LAST CALL !!

8,000 METEOR ROSES
FROM 2½-IN. POTS.

WISHING to clean out to make room for planting, will offer above for $20 per thousand. Also have left

8,000 Brides, 2½-in. Pots.
AT $25 PER THOUSAND.

This stock is A1 in every respect and as good as any we have sent out, which has given general satisfaction.

J. A. BUDLONG, 37-39 RANDOLPH ST., CHICAGO.

ROSE PLANTS

		Per 100	Per 1000
AMERICAN BEAUTY	2½-in.	$5.00	$45.00
METEOR	"	3.00	25 00
BRIDE	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
PERLE	"	3.50	30.00
AMERICAN BEAUTY, lifted from benches			35.00

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,
51 Wabash Ave., CHICAGO, ILL.

40,000 FIRST QUALITY FORCING ROSES.
READY FOR IMMEDIATE PLANTING.
Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect.
Only selected growth from flowering shoots used in propagating.
WOOTTON, LA FRANCE, AMERICAN BEAUTY, PRESIDENT CARNOT,
3-inch pots $8 00 per 100 4-inch pots, $12 00 per 100.
METEOR, KAISERIN, SUNSET, BRIDESMAID, BON SILENE, MERMET, PERLES, CONTIER, NIPHETOS, BELLE SIEBRECHT, MME. HOSTE, BRIDE.
3-inch pots, $7 00 per 100. 4-inch pots, $10 00 per 100.
J. L. DILLON, BLOOMSBURG, PA.

Indianapolis.

INTERESTING SESSION OF THE FLORISTS' SOCIETY. — DOINGS OF THE BERTERMANNS.—VARIOUS ITEMS IN THE TRADE.

There was an interesting meeting at Garfield Park on the evening of June 5, the rain giving everybody an excuse to stay until a very late hour. The subject for the evening was "Rose Soil," which was thoroughly discussed. The coal committee reported progress. Alvin Schreiber, of Bertermann Bros., had on exhibition a vase of several varieties of carnations, exceptionally fine for this time of year; also a vase of dahlias. Fred. Huckriede, Robert McKain, and J. T. Huntington were appointed a committee to arrange for the annual outing of the society.

J. A. E. Haugh, of Stuart & Haugh, of Anderson, was in the city this week. He reports business flourishing. As the firm is planning an extension of their place and a thorough overhauling of the heating apparatus, Mr. Haugh is looking for pointers on the latter. They will put in two large boilers.

Wm. Bertermann left here Monday morning for Columbus and New York, thence going to Europe. John Bertermann and son, Irvin, have gone to Put-in-Bay and Canada for a few days.

The Bertermann Floral Company has been dissolved, and henceforth will be known by the old name, Bertermann Bros.

The planting season is over and everyone is well satisfied, bedding plants having been sold out cleanly. H. J.

RACINE, WIS.—Mrs. C. W. Pike has given up her business for a year's trip to Arizona and the west.

WHITMAN, MASS.—Alden A. Reed has abandoned his downtown store and will confine his business to his greenhouses on West street.

LOOK! AUCTION SALE OF PLANTS on JUNE 16, 10 a. m. to 5 p. m.

ROSES, from 3-inch pots, nice, healthy plants, Bride, Bridesmaid, LaFrance, Meteor, Perle, Kaiserin, Am. Beauty and Hermosa.
SOLANUMS, from 2½-in. pots. HYDRANGEAS, from 2½-in. pots. BEGONIAS, PALMS, FERNS, DRACÆNAS, from 3-in. pots. Good stock.
A lot of bedding plants—FEVERFEW, COLEUS, GERANIUMS, S. SAGE, D. PETUNIAS, VERBENAS, LOBELIAS, FUCHSIAS, and a lot of miscellaneous plants.

I must sell these plants to make room to rebuild all my houses. If you cannot attend in person send your bid by mail to me, and will try and purchase what you want, and ship you on Monday C. O. D. subject to your examination at express office; if not satisfactory, return at my expense. Terms cash. Take Darby cars on Walnut St. for

M. F. LaROCHE, Agt., Collingdale, Pa.

FLORISTS' ORCHIDS

.....The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

POTTED VIOLET CUTTINGS.

Clear of all diseases, of the different varieties. Per 1000

FARQUHAR	$20.00
CAMPBELL	15.00
PRINCESS OF WALES	12.50

No California for sale now.

CREEN SPRINCS FLORAL CO.,
Louisa County, Waldrop P. O., Va.

CRIMSON CLOVER SEED, growers' prices.
CELERY PLANTS only $1.00 per 1000.
CABBAGE and Potted Strawberry Plants.
Circular free. SLAYMAKER & SON, Dover, Del.

Chrysanthemums.

Now is the time to plant them. We offer extra fine, vigorous plants from 2 and 2½-in. pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY.	Per 100	MIDSEASON	Per 100
Ivory	$3.00	Major Bonnaffon	$3.00
M. Henderson	3.00	Wm. Simpson	3.00
Geo. S. Kalb	3.00	V. Morel	3.00
Merry Monarch	3.00	G. W. Childs	4.00
Willowbrook	4.00	H. W. Longfellow	3.00
M. de Montmort	3.00	Mrs. Murdock	3.00
Mrs. J. Whilldin	3.00	Mrs T. L. Park	6.00
John K. Shaw	5.00	Black Hawk	4.00
Golden Trophy	3.00	Mrs. C. H. Pierce	3.00
Glory of the Pacific	3.00	Mrs. H. Robinson	3.00
		Niveus	3.00

LATE.	Per 100	LATE.	Per 100
Mrs. J. Jones	$4.00	Nagoya	6.00
Liberty	4.00	Xeno	6.00
Merry Xmas	4.00	Adula	3.00
Autumn Glory	3.00	Harry Balsley	3.00
E. Dailledouze	4.00	Mrs. Baer	8.00
Golden Wedding	4.00		

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

SMILAX, From Pots, Ready Now.

$1.50 per 100, $15 per 1000.

Asparagus Plumosus,

From 3-in. Pots, Ready July 15th,

$6 per 100, $50 per 1000.

You will make no mistake in sending me your order; this stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY, double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta. H, Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co. PA.

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50

Rooted cuttings of Coleus, Crimson Verschaffeltii, Golden Queen and Mixed, 75c per 100.

Cash With Order or C. O. D.

WM. A. CLARK & SON, 69 State St., Watertown, N. Y.

FORBES' Grand New BEGONIA **CALEDONIA**

(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

JOHN FORBES, Nurseryman, HAWICK, Scotland.

Started Clumps of Dahlias.

New varieties, $2.50 per 100. Cash with order.

.....W H. JONES, Geneva, O.

Hear Ye! Princess of Wales Violets, strong plants, big tops and matted roots, $1.50 per 100; $10 per 1000, cash. 500 at 1000 rates. Dwight M. Wells, Benton Harbor, Mich.

Chrysanthemums.

FOR ALL PURPOSES.

NOVELTIES And STANDARD VARIETIES.

Send Us a List of Your Wants for LOWEST CASH PRICES.

NATHAN SMITH & SON, Adrian, Mich.

VERBENAS

60 Choice Varieties,

in bud and bloom, 2½-inch pots, $2.50 per 100; $20 per 1000. 3-inch pots, $3.50 per 100.

GERANIUMS

30 Finest Bedding Varieties,

in bud and bloom, 3½-inch pots, $6.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

ADIANTUM ...FARLEYENSE 2½-inch Pots.

Nice, Strong Stuff, Ready for a Shift,

$10 per 100.

J. A. PETERSON,

Florist

405 RACE STSEET, - - CINCINNATI, OHIO.

Dracæna indivisa	$10.00, $15.00 and $20.00 per 100
Smilax, transplanted, strong	.50 "
Coleus, rooted cuttings	.75 "
Geraniums, S. A. Nutt, etc.	2.50 "
Asters, trans. Queen of Market	.50 "
Heliotrope, 3-in. Jersey Beauty	4.00 "
Asparagus plumosus seedlings	3.00 "
" Sprengerii, 3-in.	6.00 "
Ageratum, Cope's pet, 2¼-in	2.50 "
" Princess Pauline, 2¼-in.	3.00 "
Geraniums in assortment, 4-in.	$5 to 6.00 "

CASH PLEASE. **Carl Hagenburger,** W. Mentor Ohio.

VIOLETS From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, $2.50 per 100, $20 per 1000.

GERANIUMS, plenty of S. A. Nutt and Bruanti at $6.00 per 100; also a few mixed at same rate; 3-in. at $3.50 per 100. Mme. Saleroi, 3-in., $3.50.

ALTERNANTHERA, from flats, $2 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

Please mention the American Florist when writing.

EXTRA FINE ....2-INCH **Coleus**

Golden Bedder and Verschaffellii, $1 50 per 100, $14.00 per 1000.
MIXED COLEUS, $1.35 per 100, $13.00 per 1000.
MIXED FUCHSIAS, $1.50 per 100.

R. I. HART, Hackettstown, N. J.

Please mention the American Florist when writing.

Field Grown **CARNATIONS**

Orders booked now for fall delivery.

GEO. HANCOCK & SON, Grand Haven, Mich.

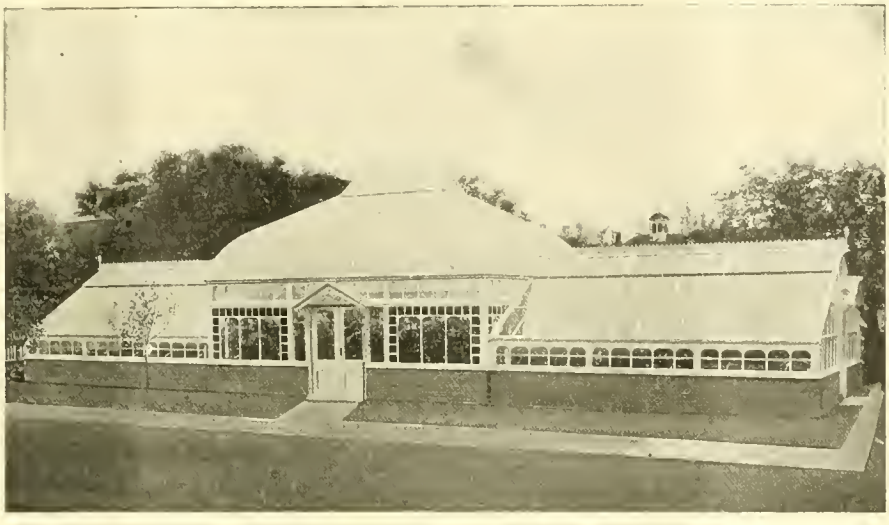
Hitchings & Co.

ESTABLISHED 1844.

HORTICULTURAL ARCHITECTS AND BUILDERS.

ROSE HOUSES, PALM HOUSES AND CONSERVATORIES ERECTED COMPLETE WITH OUR PATENT IRON FRAME CONSTRUCTION.

Manufacturers of Greenhouse Heating and Ventilating Apparatus.



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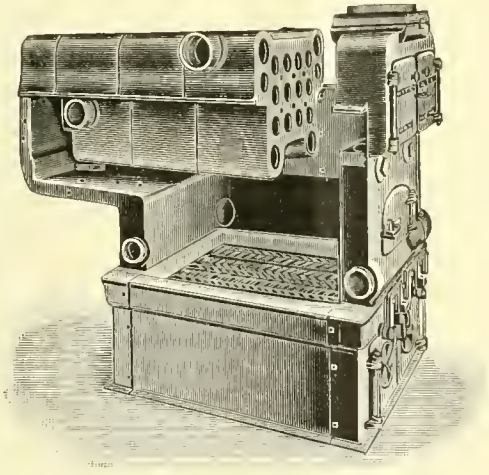

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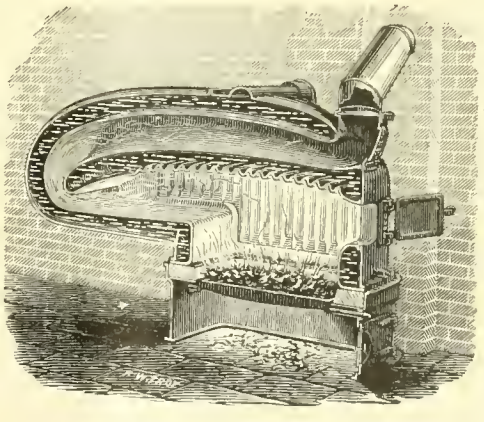

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Hitchings & Co.,

Send 4c for Illustrated Catalogue.

233 Mercer St., NEW YORK CITY.

Port Chester, N. Y.

The May meeting of the Westchester County Gardeners' Association was held May 26, with President Shore in the chair. The attraction of the evening was the exhibition of flowering shrubs by Messrs. Williamson, Anderson and Fraser. Conspicuous in Mr. Williamson's exhibit was Leucothœ Catesbæi and Cytisus laburnum. Mr. Anderson had a fine lot of Magnolia Watsoni, one of the prettiest of the magnolias. Mr. Fraser brought a large collection, perhaps the most striking feature of which were the panicles of the manna ash, Fraxinus ornus, a tree seldom seen in collections but worthy of more attention among ornamentals. An interesting discussion on the pruning of shrubs took place, participated in by Messrs. Duncan, Williamson, Freund, Shore and others. The committee on the annual excursion reported on the arrangements being made and the members present favored Philadelphia as the point of interest to be visited this year.

Lowell, Mass.

Decoration day brought a busy season but everything went off smoothly. Flowers were in great demand, stock good, plenty of it, and it brought good prices. Patten & Roberts' business this year went far ahead of last season, for besides the usual rush, there was lots of funeral work, and every one was kept on the jump for three days and nights. This enterprising firm has just put out one of the finest delivery wagons ever seen in Lowell. It is all black, with gold trimmings.

McManmon has had all he could attend to, selling plenty of bedding plants. Whittet & Co. report good trade.

WHILE THEY LAST.

40,000 GERANIUMS. Ten strictly first-class bedders: S. A. Nutt, Bruanti, Beaute Poitevine, Frances Perkins, La Favorite, White Swan, Mrs. J. M. Garr, Athlete, Am. Wonder, Mme. Jaulin, strong, 2½-inch, $2.75 per 100; $25 00 per 1000. Rose Geraniums, 2½-inch, same price. 2-inch, 2c. Mme Salleroi, strong, 2-inch, $1.50 per 100. Orders filled day received.

25,000 2½-inch ROSES—Brides, Meteors, Maids Perles and Woottons, $3.00 per 100, $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first-class.

Double Fringed PETUNIAS and 20th Century VERBENAS, strong, 2-inch, 2c.

VINCAS, strong, 2½-inch, 3c.; 2-inch, 2½c.

MARGUERITES—New Giant White, a grand sort, and New Golden, strong 2-in., $2.00 per 100.

COLEUS—Strong 2-inch, choicest varieties, $2.00 per 100.

SMILAX—Strong 2-inch, $1.00 per 100. Strong seedlings, 50c. per 100.

AGERATUM, Princess Pauline—Strong, 2½-in., 2½c; 2-in., 2c.

GIANT COMET ASTERS (true)—Strong 2-in., $1.50 per 100. Lavender, pink and white, and pure white.

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			Per 100
10,000 Coleus, named, our selection	2¼	in.	$1.50
5,000 Geraniums, mixed	2¼	"	2.00
2,000 Grass Pinks	3	"	3 00
2,000 Verbenas, named	2¼	"	1.00
1,000 True Maidenhair Fern	2½	"	4.00
3,000 Iresines, two colors	2¼	"	1.50
1,000 Red Vernon	2¼	"	1.50
500 Red Vernon	3	"	2.50
500 Lygodium Scandens, climbing fern	2½	"	4 00

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THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

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Just the thing to fight crab grass.

It will save its cost in 60 days on any good lawn.

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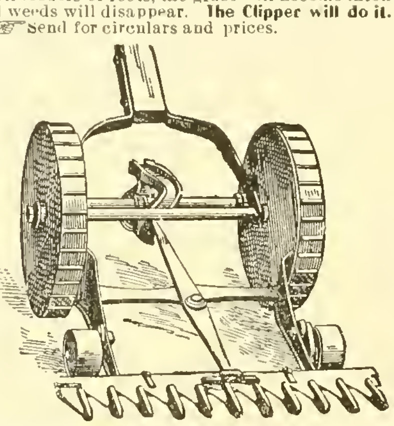

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A few hundred fine young

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In 2, 3 and 4-in. pots. Also strong young Smilax Plants. **ROSES**—Brides, Maids, Meteors, Perles. Prices on application. Address

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ASPARAGUS Plumosus Nanus	4.00
Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea	2.00
Pansy seed, large-flowering ......$4.00 per oz.	

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Fine, Large Plants, Ready to Plant Out.

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CABBAGE, best leading varieties	$1 00	$4.00
TOMATO, 5 leading varieties	1.00	4.00
BRUSSELS Sprouts	1.00	4.00
LETTUCE, several varieties	1.00	
CAULIFLOWER H. Early Snowball	2.00	

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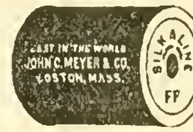

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Kift's patent rubber capped **Flower Tubes,** ½-in. diameter, per 100, $3 50.

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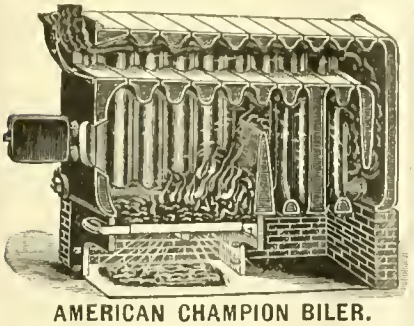

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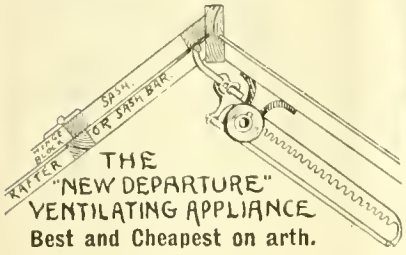

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Best and Cheapest on arth.

MI PICTER.

THE EVERLASTIN HINGE.

MR. EDITUR:

i send u mi lates fotograf jist to let u se how i luk disgized like a gintelman. I borrered the stove pipe frum the mayer uv our vilage, an i am so tikled with how i luk in it that I kant be happy if i dont hav one tew keep, i find i kin git a putty gud one at our pawn shop fur $3.00 an 65 cts, an if i kin sel a lot uv mi **KOLE SAVIN BILERS** an **NU DEPARTURE VENTILATIN KONTRAPSHINS** an **EVERLASTIN HINGES** im a goin to bi it tew ware to the Posey Kounty fare nex fal with semanthe jane an the kids.

Mi name wil then be, Hon. J. D. Carmody Esqr frum Evansville Ind whitch is klose tu Posey kounty.

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A Weekly Illustrated Journal.
ESTABLISHED 1841.

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San Francisco.

BATCH OF HAPPENINGS JUST INSIDE THE GOLDEN GATE.—SOME BUILDING IN SIGHT.

Angelo Vauttone, with Pelicano & Co., has been laid up for two weeks with a severe fracture of his leg, the result of a fall. The doctor says it will be a month or six weeks before he can work again.

Charles C. Cohen is soon to take unto himself a wife. His bride to be is a very pretty and accomplished young lady and his many friends are offering their warmest congratulations.

Domoto Brothers are building a range of four large greenhouses which will be principally devoted to growing the varieties of carnations originated by John H. Sievers.

E. W. McLellan is to put up a considerable addition to his range of glass this season, with the intention of devoting it to Bridesmaid and Liberty roses.

J. H. Sievers & Company are cutting some very fine carnation blooms, which, in the retail stores, easily bring from $1 to $1.50 per dozen.

Charles Hasalbacker is bringing in some very fine Kaiserin roses, in fact the best that have been in the market this season.

Miss Cohen, formerly on Sutter street, has opened a new store on Polk street.

FRISCO.

HEMPSTEAD, N. Y.—George Keanuth has rented the greenhouse property of Arnold Nelius near Long Island Railroad Station in New Hyde Park.

MILFORD, DEL.—Alexander Pullen, who is well known in the holly trade and also to the nurserymen of the country, is spoken of as a candidate for gubernatorial honors in Maryland.

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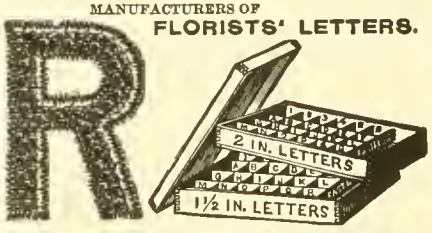

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

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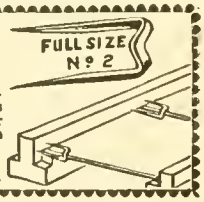

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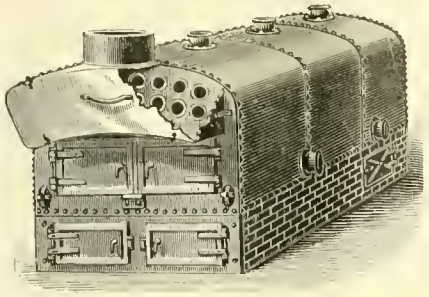

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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent for cash with order. Address

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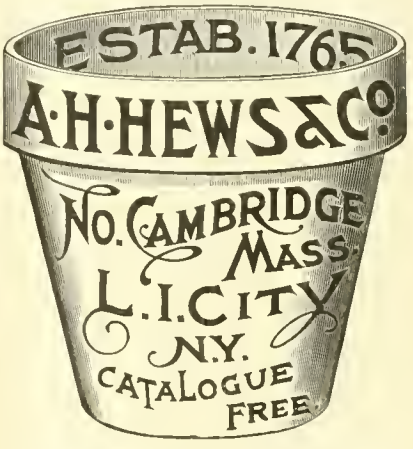

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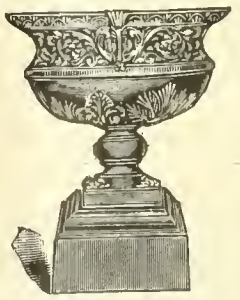

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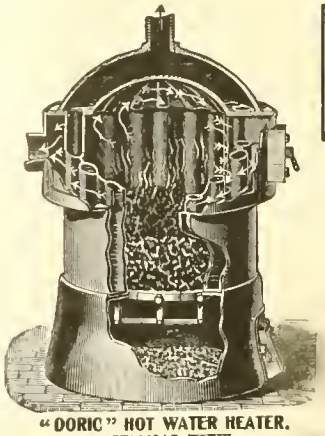

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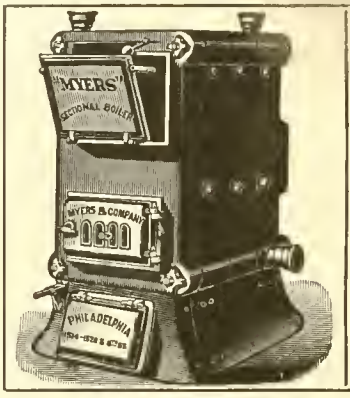

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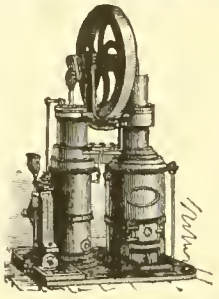

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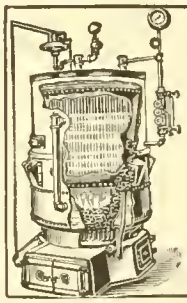

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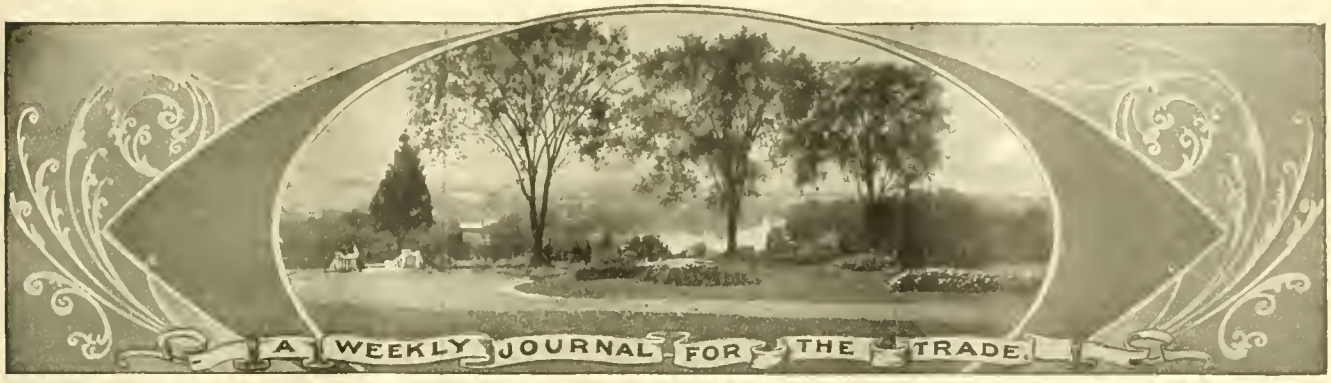

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XV. **CHICAGO AND NEW YORK, JUNE 16, 1900.** **No. 628.**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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CHRYSANTHEMUMS.

CHRYSANTHEMUM NOTES.

Between now and the middle of July, most of the chrysanthemums for exhibition and commercial purposes will be planted upon benches. As there are practically no new ideas to offer as to culture, it seems as though there was but little that could be said upon this subject that would be of interest. However, there may be some beginners who are just taking up this line of work, to whom a few words of advice might be acceptable.

Those desiring early flowers for commercial use, or extra large blooms for the exhibitions, should lose no time in planting. It is inconsistent to expect extra early flowers of good quality if the plants are started late. The sooner the plants are established after June 1, the better the results, all other things considered. It is very often the case that early varieties are sought and even planted as late as the last of July or sometimes the first of August, and probably with the expectation of early blooms. When we take into consideration that buds of early kinds are selected between August 10 and 20, it is quite evident that the plants cannot become sufficiently established in so short a space of time. If the desire is for exhibition blooms the present is none too early for planting, as it is quite important that the plants should be in full vigor, and on an average from two to three and one-half feet in height by September 1, at which date we expect some of the early sorts to form their best buds.

The same soil and style of benches as employed in growing roses and carnations are the most desirable for chrysanthemums, although it will be necessary to see that there is sufficient space between the bench and the glass to allow the plants ample head room. Houses running east and west are much easier to plant than those running in the opposite direction, as it is unnecessary to give so much consideration as to how tall or short the varieties grow, inasmuch as each variety can be planted in blocks, and receive full benefit from the sun without being overshadowed by those adjacent, while in houses running north and south, if a dwarf variety is planted between two tall ones, it is very apt to suffer for the want of sunlight. We generally plant about eight inches apart each way, and prefer to have the soil fairly firm before beginning.

It was formerly considered necessary to shade the houses at planting time, but this we have discontinued entirely and give them the full benefit of the sun, believing such a course gives shorter jointed plants of greater vigor than can be produced by the shading process. Young, thrifty plants from small pots are the best; in fact, we prefer those that have not been potted more than a week or ten days, so that the young, active roots are just breaking through to the sides of the pot. Such stock will immediately start off, so that in a few weeks it will be in good, vigorous condition. It sometimes happens that such stock is not at hand, and for want of means or other reasons, it is deemed impracticable to procure them.

Those having plants that have not been potted for a considerable time, and possibly have attained the height of twelve or fourteen inches, being destitute of leaves at the bottom, and considerably hardened, may use them and expect very fair results. In planting such stock remove the lower leaves up to a point where the plant is in fairly soft condition, or rather where the bark has not become hardened, and plant down to this point. This will necessitate layering them, the same as tall and weak tomatoes are often planted in the field. The whole stem will make root in a short time. When first planted the bench gives rather a peculiar appearance, with all the plants laying tight to the ground, but the soft tips will soon assume an upright position and in the course of a few weeks appear as though they had been selected stock.

If no provision has been made for stock of the late kinds, such as flower for Thanksgiving and later, no time should be lost in getting the cuttings into the sand. If they are soft, given plenty of water and carefully shaded, they will make roots in about ten days. Pot as soon as the roots are half an inch long, and this will give fine stock for planting next month. Cuttings of the earlier kinds may also be put in now for single stem pot plants and small market plants.

ELMER D. SMITH.

GRAFTING CHRYSANTHEMUMS.

ED. AM. FLORIST:—You will oblige by informing me as to the modus operandi in grafting chrysanthemums. E. B. J.

In grafting chrysanthemums select the end of a shoot or branch with soft growth on the stock plant, cut the top away and make a slit about one and one-half inches deep in the remaining portion

of the shoot, from the top downward, using a sharp knife. The incision should be made so that it will receive the base of the scion, or graft, which should be cut in the form of a wedge. For stocks and scions select material with stems of about the same age and diameter. Inserting the scion in the stock, tie firmly with raffia. Remove the raffia when a union has been effected, a condition generally recognized when the scion commences growth. Cool spring weather should be chosen for grafting such plants as chrysanthemums. Keep the point of contact, i. e., where the scion joins the stock, moist until the former is well established and shade the plants during the same period. Select varieties for scions which bloom about the same time as the stock plant. Splice grafting may also be employed with almost as much success as the above method. J. S. W.

ROSES.

PLANTS TO BE CARRIED A SECOND SEASON.

To obtain the best results in running rose plants over for a second season the plants should be gradually hardened off, starting at about July 1. While they should not have quite as much water at the roots as formerly, syringings overhead should be given daily to keep down insects and the plants should have all the air possible day and night. Gradually withhold water at the roots till the wood becomes quite solid, but do not let the leaves wither when the plants reach this condition, which, if carefully treated, should be the case in four to five weeks. At this stage thin out all the small wood and shorten the strong shoots back to good, prominent eyes, but leave enough green leaves on each plant to keep the roots healthy.

As soon as the pruning is completed and all the dead leaves and other rubbish have been cleared away, scrape as much of the old soil off the surface of the benches as can be removed without injuring the roots; replace this with a rich compost of soil and manure in about equal proportions and give the whole a watering only sufficient to settle the new compost. Go over the plants and tie the strong shoots down so as to cause even breaks. From this time on they should be syringed liberally overhead twice daily in hot weather.

As the eyes break into new growth the water at the roots should be gradually increased until all the soil becomes moist, but do not saturate it at any period until the plants are well furnished with good, healthy foliage, or they are very apt to assume a pale, sickly color and the foliage will flag and burn under strong sunshine. An abundance of air at all times during the above operation will greatly help the plants to make a good start. After they are fairly under way again the same treatment as for newly planted stock will be required.

JOHN N. MAY.

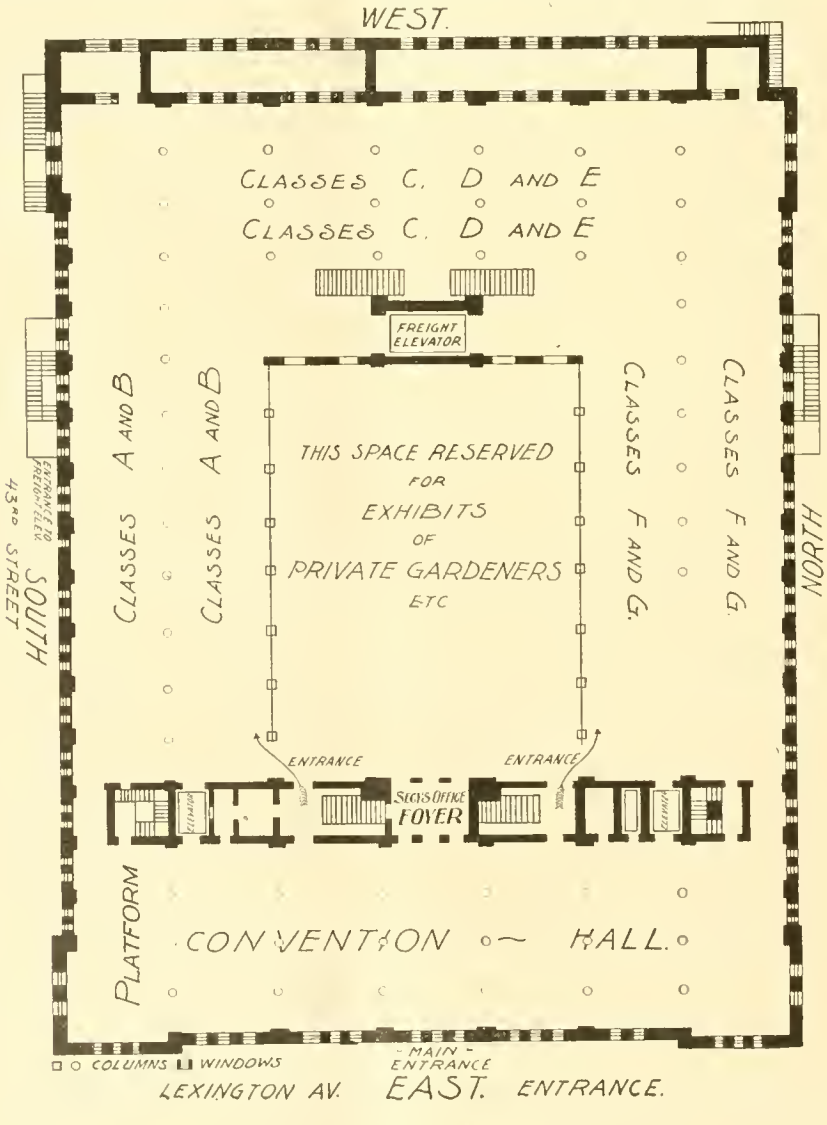


DIAGRAM OF S. A. F. EXHIBITION HALL, GRAND CENTRAL PALACE, NEW YORK.

The S. A. F. Trade Exhibition.

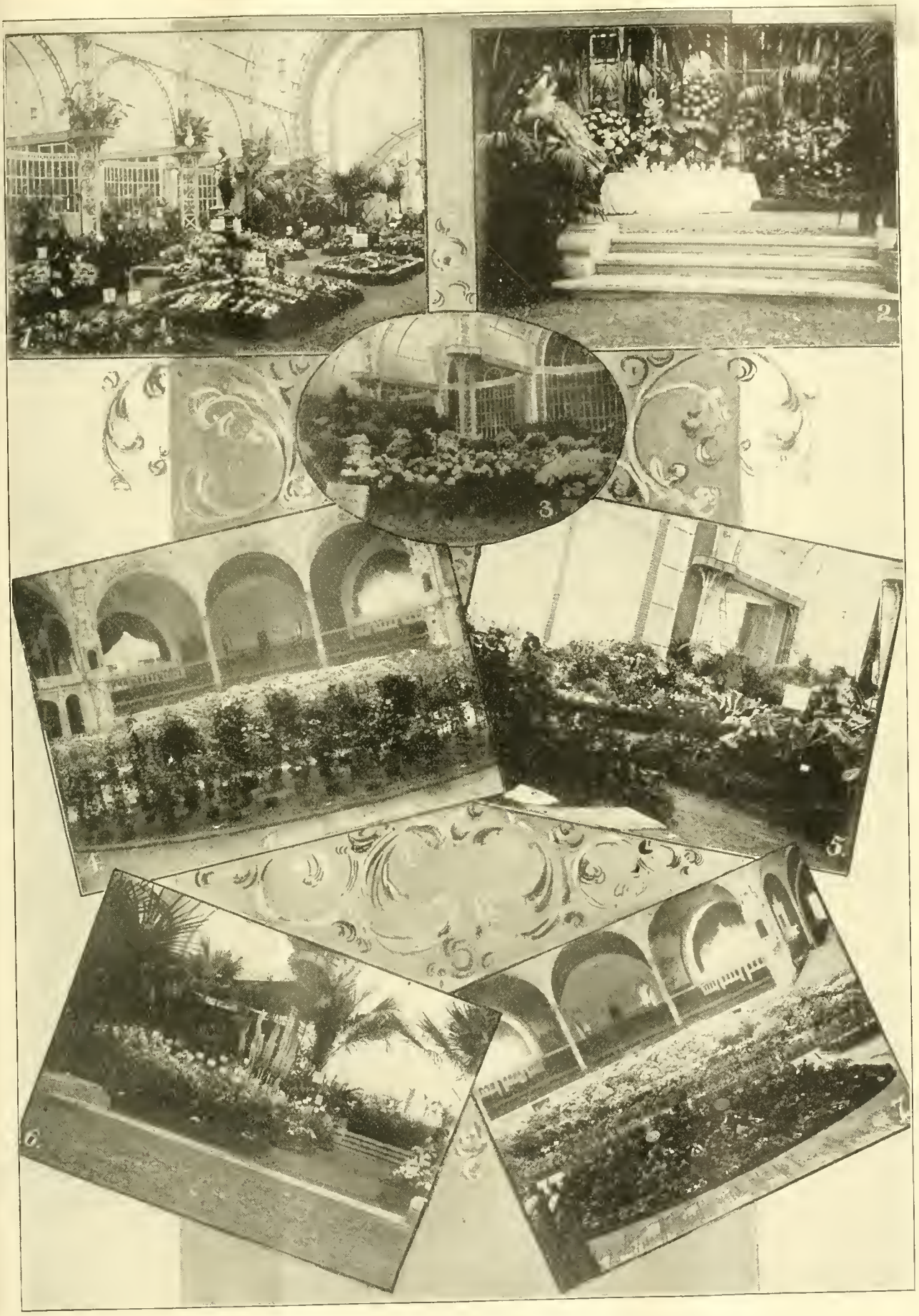
The accompanying etching shows the main floor of the Grand Central Palace, Lexington avenue, Forty-third and Forty-fourth streets, New York, as it will be arranged for the S. A. F. meeting and exhibition, August 21 to 24. The diagram is self-explanatory and copies of the rules of the exhibition may be had by addressing John P. Cleary, superintendent, 60 Vesey street, New York. All indications point to the largest trade display in the history of the organization, for the opportunity is a rare one and applications for space are pouring in.

Paris.

ANOTHER SUCCESSFUL FLOWER SHOW AT THE EXPOSITION.—SALLIER EXHIBITS A WORTHY NOVELTY.—A NEW RHODODENDRON.—FLORISTS' SYNDICATE SHOWS SOME GOOD WORK.—EMPEROR OF AUSTRIA AN EXHIBITOR.—SHOW OVERRAN ITS QUARTERS.

The third flower show of the exposition has just closed. The more we advance in the season, the larger is the number of exhibitors and the greater the variety of the plants shown. Conspicuous in the most recent show were the tuberous begonias. The collection exhibited by Mr. Billard, and for which he received the first prize, was wonderful in regard to size and color. His double variety named Albert Crousse, of a tender, dark pink color and immense size, was so remarkable that it was favored with a special prize. Mr. Gentilhomme had a collection of ericas which attracted great attention and won a first prize. Among the finest varieties may be mentioned Erica perspicua hybrida, E. Cavendishii, E. ventricosa coccinea minor, E. ventricosa tricolor, E. ventricosa magnifica, E. depressa major and E. candidissima. This is a class of plants which ought to be taken more in hand by the florists. The exhibit from Sallier was noteworthy for a group of Eremurus robustus (see illustration) the new plant from Turkestan. The plants shown by Sallier have withstood our winters without injury. It is a splendid plant, of which the flower spike, measuring often three yards, springs up from a vigorous growth of leaves. The spike, which may be compared to a hyacinth flower of gigantic size, varies in color from white to fleshy rose and even yellow, according to the plants or to the varieties. It may be grown in any good soil which is not over wet. The seeds sprout easily after having been soaked for a brief time in tepid water. The seedlings should be kept in a cool part of the greenhouse or in a cold frame and set out in their permanent location early in spring. The only drawback to its popularity is the length of time required to bring the plants into flower. It appears that not less than four to five years are necessary to flower them, but those who are willing to wait so long will be rewarded for their patience. The eremurus leaves the gyneriums, tritomas and other such plants far behind. Sallier also exhibited a fine bright red salvia of very large size, called Gloire de Stuttgart.

Nonin was, as usual, first with his



SOME EXHIBITS AT THE PARIS EXPOSITION.

1.—Some exhibits of flowers. 2.—A corner of the florists' display. 3.—Azaleas and rhododendrons exhibited by Sewel of Dresden. 4.—Exhibits in the Salle des Fetes, roses in foreground. 5.—Various plant displays, annuals and biennials in background. 6.—Sallier's display, Eremurus robustus in center. 7.—Vilmorin's vegetable exhibits, roses, rhododendrons, etc., in background.

display of geraniums, which embraced a great and pleasing variety of colors. The kinds attracting the greatest attention were Paul Crampel, Colomba, La Lorraine, Leconte de l' Isle, Jean Lorraine, Mme. Chate, Mlle. Fernande Viger, Mme. Parisot, Jeanne Hardy, Lakme, Mlle. Crozy, Solferino and Behrens. Halope, from Cherbourg, staged a new rhododendron, not yet introduced, which he calls R. Halopeanum, which attracted much admiration and received a first prize. It is a hybrid of R. Griffithianum and R. arboreum, is of a splendid white color, suffused with pink, and of immense size. Desire Bruneau had the most effective group of flowering shrubs and his collection included the best weigelias, cytisuses, loniceras, genistas, tamarix, azaleas, etc. The coveted award for orchids went to Dallemagne, who had, among other plants, a grand lot of miltonias. Thiebaut had an extensive collection of tulips and other flowers from bulbs, which made a fine display. Vilmorin had a unique collection of calceolarias, conspicuous among which was the richly colored variety called Le Vesuve. The same firm made a new departure in exhibiting a collection of seedlings in pots of the leading vegetables and flowers, for which it was awarded a first prize. Vilmorin also exhibited a new tulip named Parisienne La Merveille, which is of great size and brilliant red color and received a first prize.

The florists' syndicate, Chambre Syndicale des Fleuristes de Paris, showed many pretty arrangements in bouquet and floral work, a description of which would take too much space. Orchids served as ground work in many cases and the dressing with asparagus leaves and with ribbons was not less frequent. Moser made a very simple but appropriate arrangement for a dinner table. It consisted of a number of pæonia flowers lying on the cloth without the use of a basket or any moss. No great device is necessary to set up the flowers above their own foliage and the effect is charming.

Foreign exhibitors were few in number. The Emperor of Austria, however, sent in a collection of plants from his private grounds, among which was the celebrated Asclepiadex Pockea Capensis (?) which is said to have been brought from the Cape of Good Hope a hundred years ago and which is claimed to be several centuries old. The plant could never be propagated either by seeds or cuttings and has little, except its age, to attract our attention. Besides the plants mentioned, fine collections of irises, cannas, clematises, pyrethrums, pæonies anemones, amaryllises, etc., were shown.

On account of the large number of exhibits, the Horticultural Palace could not shelter them all and the big collections of roses, rhododendrons, azaleas, and bulky flowering shrubs had to be transferred to the Salle des Fetes on the Champs de Mars, where ample room was provided for them. The separation was, however, to be regretted, as the distance between the two palaces, although not great, prevented many people from attending the show at the Champs de Mars.

PARISIAN.

LA CROSSE, WIS.—There was a very successful rose show at the Y. M. C. A. on June 7, under the auspices of the newly formed Florists' Club.

SOUTHBORO, MASS.—Hitchings & Co. have secured the contract to erect for J. Montgomery Sears, a range of five plant houses and a work room.

The American Rose Society's Exhibition.

The summer exhibition of the American Rose Society opened at the Eden Musee on Tuesday, June 12, continuing two days. Scarcity of entries made the outlook rather dubious and the fact that the private gardeners' classes were scheduled for the second day kept some of the best exhibits out until that time, with the result that the general effect on the opening day was rather disappointing. But an examination of the exhibits in detail revealed some very interesting things, especially among the small flowered varieties of multiflora and Wichuraiana types. A display of new hybrids of Wichuraiana and rugosa with everblooming sorts, from W. Howarth, of Glenville, Ohio, although it had suffered somewhat in the long journey, contained some very pretty things, one of them, a cross between Wichuraiana and Agrippina, being particularly admired. W. A. Manda showed a group of his hybrids of similar character, in fine shape, two of the best being Improved Universal Favorite and Pink Pearl, neither of which are yet disseminated. There was also a collection of hybrid briars from the Arnold Arboretum, Boston, and a collection of twenty species of wild roses came from the New York Botanical Garden. Certificates were given to W. A. Manda and W. Howarth.

Siebrecht & Son were the largest exhibitors. They were represented in many classes, taking the Stoeckel cup for H. P. plants, besides eleven firsts and one second prize in the cut flower classes. Two firsts and four seconds went to W. Law, of Briar Cliff Farm, and two firsts and one second to Joseph Eastman. Benj. Dorrance, Thos. Young, Jr., the Pratt estate and F. W. Newbold were also prominent contributors.

The second day saw a goodly representation of the private gardeners at the hall, Wm. Scott, W. G. Gommersall, Geo. D. Hale, Wm. McGowan, G. Comber, Peter Duff, J. Dowling and other notables being on hand with exhibits and a general handshaking for their friends. The premiums had not been awarded at the time of writing this report but there were indications of sharp competition in certain classes, one, the Henderson cup, bringing out four entries.

Besides the roses there were exhibits of carnation No. 666 from Dailledouze Bros., English carnations of the Malmaison type from F. W. Newbold and a really fine collection of hardy herbaceous flowers from J. Lewis Childs. Howard Nichols had an excellent display of strawberries and was generous enough to bring an abundance of samples for his friends to test. Robert Kitt was on hand with his vase holders and their use about the hall gave a good object lesson as to their value in decorative work, particularly at this warm season of the year, when roses are so short-lived without some such arrangement for supplying them with water.

Pan-American Notes.

Although the absence of rain has been most unfavorable for the thousands of of trees and shrubs planted this spring, many of them late, there are very few failures and the appearance of the plantations is most flourishing. Many more exhibits were sent in than were expected this spring, but in the case of hardy roses it was either plant them now or not at all.

The music garden is in the center of a broad elevation, and scattered over this area are many large beds of hybrid perpetual, rugosa, Wichuraiana and Crimson Rambler roses. One large bed is filled with standard and dwarf Hydrangea paniculata grandiflora. All of these exhibits were sent in several weeks later than the proper time to transplant, but with careful planting and hard pruning they are making a fine growth. Upwards of 6000 roses are among the exhibits. The principal contributors are Ellwanger & Barry, of Rochester; F. R. Pierson Co., Tarrytown, N. Y.; Nelson Bogue, Batavia; Vaughan's Seed Store, Chicago, and Jackson & Perkins Co., Newark, N. Y.

The excavation of the lakes is complete and grading is now the chief work on the grounds. The sloping banks of the canals are finely graded and seeding is being done. With access to the hose in every part of the grounds, these banks will soon have a most refreshing appearance.

Mr. Ulrich has obtained several hundred fine red cedars twenty to twenty-five feet high and of most symmetrical shape. They are boxed and shaded from the sun and, if successfully carried through the summer, will have a delightful appearance when located in that part of the ground known as the court of cypresses, which is two basins each 200 feet in diameter and will be filled with aquatics. One of these basins will be heated to facilitate the growth of the Victoria regia.

The grounds around the service building have a finished appearance. Large flower beds are blooming and the thousands of visitors who already view the grounds seem surprised at the progress made. The transportation and liberal arts buildings are going up rapidly and progress is being made on all the buildings.

I was much pleased to hear last week from Alexander Forbes, of New York, that he considers that we are most favorably ahead with all the work compared to past expositions at a corresponding date.

WILLIAM SCOTT.

Boston.

BANQUET TO F. L. HARRIS.—ONE OF THE HORTICULTURAL EVENTS OF THE YEAR.—WELL KNOWN MEN PARTICIPATE.—LOVING CUP FOR HONORED FRIEND—CREDIT TO HUNNEWELL.—LAVISH FLORAL DISPLAY.—RHODODENDRON SHOW AT HORTICULTURAL HALL.—NOTES OF THE EXHIBITS.—BUSINESS IMPROVES.—TO SAVE THE HEMLOCKS.—NOTES.

On Saturday evening, June 9, an event took place that will stand for all time as one of the most notable occasions in Boston's horticultural history. On that evening seventy-five of the gardener and florist friends of the retiring veteran gardener of the Hunnewell estate at Wellesley, Fred. L. Harris, gathered about the banquet table at the Hotel Brunswick to greet him and express by their presence and their words their appreciation and esteem for the most honored representative of their profession in America. Besides those present many more were represented in their grand testimonial who by reason of distance or other causes were unable to come in person. Grouped around the honored guest were many gentlemen of horticultural prominence from outside of Massachusetts, including W. R. Smith, of Washington, D. C.; Roht. Craig, Geo. C. Watson and R. E. Berry, of Philadelphia; J. N. May,

Photo by Taylor.

AMERICAN SEED TRADE ASSOCIATION AT CHICAGO, JUNE 13, 1900. (SEE PAGE 1414.)

of Summit, and W. A. Manda, of South Orange, N. J.; Patrick O'Mara and H. A. Siebrecht, of New York; Timothy McCarthy, of Providence, R. I., and C. W. Hoitt, of Nashua, N. H. Judge Hoitt officiated as toastmaster, M. H. Norton serving as chairman. Among the local gentlemen of official prominence were President E. M. Wood, of the Society of American Florists; Superintendent J. A. Pettigrew, of Boston's park system; Supt. Wm. Doogue, of the public grounds; Jackson Dawson, of the Arnold Arboretum; J. H. Morton, of Mt. Hope Cemetery; Secretary Wm. J. Stewart, of the S. A. F.; and others filling positions of usefulness in the Massachusetts Horticultural Society.

The gentlemen above named, also a number of the leading lights in Boston floriculture, private and commercial, were severally introduced by the toastmaster and the highest enthusiasm was aroused as they told of the love they felt for their friend. Among them were many whose friendship dated back thirty and forty years or more and eloquent were the tributes they paid to his noble character as a man, his loyalty as a friend, his generosity of heart towards his fellow gardeners, his industry and skill and his wide influence in the cause of American horticulture. He was held up as an example to the young gardeners, showing to what they may attain, one worthy of emulation and well entitled to the highest possible honor.

A beautiful silver loving cup was presented to Mr. Harris, on behalf of the contributors, by Wm. J. Stewart, who spoke feelingly the affectionate sentiments of the donors and expressed the hope that their friend's cup of joy might ever be filled to overflowing. Inscribed on one panel were the words, "To Fred. L. Harris, a Loving Testimonial from his Gardener and Florist Friends, Boston, June 9, 1900." On the two other panels were etched views of the famous Italian garden at Wellesley and of the rhododendron plantations.

Mr. Harris' response was made in simple and touching words. He expressed the great happiness he felt in meeting his friends and associates of a lifetime under such circumstances, modestly deprecating the praise bestowed upon himself and generously crediting Mr. Hunnewell for his share in the development of the Wellesley grounds from a barren waste to the most beautiful and famed gardens on the continent. He spoke of his forty-six years of service in the work, the pleasure he had experienced in designing and carrying it out and the sadness he felt in retiring from the scenes and surroundings of a lifetime. Cheer upon cheer greeted him and if all the good wishes showered upon Mr. Harris that night can be realized, happy, indeed, will be the remaining years of his life.

The tables were laden with flowers. Such a lavish display has seldom been seen and their arrangement reflected much credit on Mr. Edgar and his associates in this part of the preparations. The Harvard quartette rendered songs at intervals during the proceedings, in an exquisite manner, and a leading feature of the evening was the singing of Fred. L. Harris, Jr., who has a superb voice and knows how to use it. The menus were adorned with a portrait of the honored guest and a number of appropriate poetical quotations. Judge Hoitt gave great satisfaction, as usual, as toastmaster. Quotations from Shakespeare and other celebrities were made use of with great success in introducing the various speakers.

The annual rhododendron show of the Massachusetts Horticultural Society was held Tuesday and Wednesday of this week and occupied the entire lower hall and half the upper floor of Horticultural Hall. Owing to the absence of the Hayes exhibits, the showing of rhododendrons was not so extensive as heretofore, but otherwise the exhibition was excellent throughout. The principal contributors were H. H. Hunnewell, Mrs. J. L. Gardner, Mrs. B. P. Cheney and Dr. C. G. Weld. Azaleas were shown mainly by T. C. Thurlow and Mrs. Gardner. The orchid groups were superb. Prizes were won by J. S. Bailey, J. E. Rothwell and Mrs. Gardner in the order named. A silver medal was awarded to Mr. Hunnewell for a splendid specimen of Miltonia vexillaria and Bayard Thayer received a certificate for Cattleya gigas. Dr. Weld showed fine specimens of Cypripedium Lawrenceanum and Watsonia Ardernei. Good pelargoniums were shown by E. J. Mitton and Dr. Weld. Irises were displayed in large numbers by Mrs. Gardner and Rea Bros.; aquilegias by W. C. Winter and W. A. Jeffries, pyrethrums by Dr. Weld, Rea Bros. and W. J. Clemsen, hardy perennials by the Blue Hill Nursery and Clemsen, tree pæonies by Jeffries and oriental poppies by Clemsen, H. S. Rand and Dr. Weld. James Comley contributed a fine lot of Harrisii lilies and Patten & Co. two vases of carnations of extra quality.

Business has improved somewhat over that of last week, the receipts of flowers being considerably lighter and the demand more active. Outdoor roses are not yet in evidence in this neighborhood but a very few warm days will

bring them in. They are not the subject of so much interest to the city florists as heretofore for the time honored custom of having the mayor present a bouquet to each member of the graduating classes in the public schools has been discontinued and the "school order" which in past years has helped to consume so much of the outdoor rose product is no longer on the menu. Pæonies are beginning to appear in quantity and are in good demand for large decorations, of which there seem to be as many as usual for the season.

Public interest is on the increase in the matter of the proposed sewerage tunnel under hemlock hill at the Arnold Arboretum and the possible danger to the magnificent grove of original hemlocks. There is some hope of a change of route in consequence of the protest, as a hearing has been granted to the park board and the representatives of Harvard College on the subject.

Norton Bros. have left their old location on Berkeley street and moved to Massachusetts avenue.

The Twombly Company has discontinued business and their store on Tremont street is vacant.

New York.

MEETING OF THE CLUB.—NO ADMISSION FEE FOR THE AUGUST SHOW. — WELL KNOWN GUESTS.—HARRIS ELECTED AN HONORARY MEMBER.—HEAVY RECEIPTS OF CUT FLOWERS.—ROSES AND CARNATIONS SELL AT VERY LITTLE PRICES.—PROSPECT OF AN IMPROVEMENT.—NOTES.

An unexpectedly large attendance was on hand at the June meeting of the Florists' Club, Monday evening, June 11. Previous to the session a meeting of the general committee on convention matters had been held and the various chairmen had encouraging reports of progress to present. The question of charging an admission fee to the general public at the horticultural exhibition next August was decided in the negative. A. L. Miller had a fine spike of Canna Kate Gray on the exhibition table. Messrs. W. R. Smith and Robert Craig were present, being on their way home from the banquet to Mr. Fred. L. Harris at Boston. They were each called on for a speech. Mr. Smith begged to be excused and Mr. Craig, although he thought it too hot for speech making, said he was still so full of the enthusiasm developed at the dinner to the grand old gardener at Boston that he could think of nothing else. He said that Mr. Harris was a shining example for the young gardener, who should emulate his virtues and industry and try to achieve something notable. His art, perseverance and honesty are an honor to any calling and his work a credit to the country and an inspiration to the whole world. Mr. Manda supplemented Mr. Craig's remarks with appreciative praise for Mr. Harris, to whom, he said, not Boston alone but the entire country, owes a debt of gratitude. He then proposed F. L. Harris for honorary membership in the New York Florists' Club and a unanimous vote of approval was given.

The very heavy receipts of cut flowers in all lines still continue and the dullness in the demand leaves the wholesalers with an exceedingly difficult job on hand each day to unload the accumulation. This is only done by disposing of entire invoices just as received, in boxes, without handling, for figures that run absurdly low when reduced to an average per hundred blooms, roses going as low in such cases as ten to twenty cents a hundred. The majority of roses handled in this way, however, are nothing but the veriest rubbish, discolored, blown out and with foliage mildewed, and it is to be expected that when the growers of this stuff find out what their returns from it amount to for the past week, they will soon discontinue shipments and go to replanting. This will relieve the market and another week will doubtless see conditions greatly improved. Carnations suffer also, being sold in bulk to fakirs and cheap dealers at very low rates. Pæonies are still with us in quantity and garden roses are being sent in by the bushel to those who are willing to receive them.

Ford Bros. are mourning the loss of their brother, Lawrence B., who died suddenly at Philadelphia on June 6.

Dunne & Co., have moved into their new store at 54 W. Thirtieth street. It is nicely fitted up.

F. O. Pierce Co. have enlarged their establishment by the addition of another floor.

A petition in bankruptcy has been filed against Axel Lindstrom, of Richmond Hill.

Samuel Henshaw is booked to sail for Europe Saturday, June 16, on the Ethiopia.

F. L. Atkins sailed for Europe on Saturday, June 9.

Young & Nugent are supplying violets from cold storage.

Mrs. J. C. Vaughan will sail for Europe on June 23.

Visitors: W. R. Smith, Washington, D. C.; Robt. Craig and Robt. Kift, Philadelphia, Pa.; C. H. Fleming, Bridgeport, Conn ; Benj. Dorrance, Dorranceton, Pa.

Philadelphia.

UNLIMITED SUPPLY OF ALL SEASONABLE MATERIAL —BUSINESS ON THE DECLINE. —BOARDERS NOW MUCH IN EVIDENCE.—SHORTAGE OF SMALL BOSTON FERNS.

There are large quantities of all kinds of flowers available, the weather being very favorable, with no very hot days, such as are usually experienced at this season of the year. Pæonies, which have been very plentiful, are now nearly over and this week will no doubt see the last of them. The growers say that the production has increased so rapidly the past few years that there is very little money to be made in handling pæonies, the price having been forced too low. Roses and carnations are seen in large quantities and at very low figures. Sweet peas are also plentiful at from 20 cents to 40 cents per hundred. A few yellow centaureas have been offered in this market by Edward Towill, of Hillsdale Station; there is also a pretty white and purple variety which should be more grown, as it would be a welcome addition to the variety of flowers available at this season.

Business in the stores is much less than a week or two ago; the summer period of rest is fast approaching and those who take "boarders" have now large families to care for and their hospital departments are full to overflowing with plants that have to be nursed back to something like a presentable appearance by the time Madame returns from the country or seashore. Happy is the man who has the independence to say "no" now and thus steer clear of trouble next fall.

Small Boston ferns seem scarce in this market, most of those for growing on, it seems, having to be brought in from other cities. These ferns and rubbers are certainly greatly in demand and, it is safe to say, will continue to grow in popularity. Any one who five years ago would have predicted the present demand would then have been thought an enthusiast whose imagination was getting the better of his judgment.

Adolph Fahrenwold is erecting two large houses for American Beauties, with which rose he is very successful.

Robert Craig has just returned from a trip to Boston. K.

Chicago.

STATE OF THE MARKET.—RECEIPTS VERY HEAVY BUT DEMAND IS ACTIVE.—SALES EQUAL TO MID-WINTER.—CLUB MEETING. —ABOUT COAL.—FERNS OF ALL KINDS.—WIETORS' BIG PLANTINGS.—LIBERTY AT FOREST GLEN.—HEAVY HAIL INSURANCE. —EVANSTON GROWERS TO BUILD.—AT THE REINBERGS'. — KENNICOTT GOING EAST.—VARIOUS NOTES OF INTEREST.

This has been a busy week for the wholesalers, who have handled quantities of stock so great as to multiply many times over the task of taking in a sum of money equal to the average daily receipts of December, but this most of them have accomplished. There have been, in previous years, few periods "knee deep in June" which have seen demand anything like as active as it has been the past ten days, but the supply has been adequate, except of Beauties and first class tea roses, Meteor being the principal shortage. There have been Brides and Bridesmaids enough for anyone who was not particular as to mildew. Carnations have been in unlimited supply; in fact one firm took an order for 50,000 and delivered them out of one day's receipts. Of course prices went down under the weight of the quantity of stock in the market but sales are still as big as when prices were up to a reasonable level. Of the various specialties there are all that are required and such items as water lilies and Lilium speciosum have been added to the list.

There was a very large attendance at the meeting of the Florists' Club last night (June 15). Interest centered in the report of the committee on co-operative coal purchase, presented by W. N. Rudd. The committee, he stated, sent out one hundred and five return postal cards of inquiry to greenhousmen in this city and vicinity, receiving forty-seven replies which in the aggregate indicated the use of about 24,000 tons last year. Mr. Rudd was of the opinion that about 100,000 tons of coal are used for greenhouse purposes in this territory during the year and discussed the matter quite fully as to grades and prices. He spoke in favor of deferring the purchase of coal at the present time, stating that buyers could lose nothing but might gain some by waiting for a time, as the prices were not likely to rise. The subject provoked considerable interesting discussion. Refreshments were served at the close of the meeting.

There are all kinds of ferns now obtainable. The Alabama crop is in, the new cut Massachusetts ferns are ready for shipment and the cold storage supply is not exhausted. Bassett & Washburn's frozen stock has kept perfectly, the only loss being where the packing was such that air reached the ferns, as through holes in the cases, when the result was that parts of the adjacent fronds were dried and shrivelled.

Wietor Bros. are pushing things just now. Winandy is well along with their new houses and they already have five of them planted with Beauties. When

Photo by Taylor.

AMERICAN ASSOCIATION OF NURSERYMEN AT CHICAGO, JUNE 13, 1900. (SEE PAGE 1416.)

they are in shape for next season they will have upwards of 62,000 Beauty plants, sixteen 150-foot houses of Brides and Bridesmaids and thirteen houses 30x300 of carnations.

Brant & Noe have had a lot of Liberty rose plants potted up for about four weeks and Mr. Brant says that it is the finest batch of a new sort which he has ever seen sent out. Mr. Noe, the eastern member of the firm, has planted a house of Liberty at Madison, N. J., and writes in equal terms of commendation of Mr. Asmus' stock.

Bassett & Washburn have just made application for an increase in their glass insurance which makes the total which the Hail Association carries for them 387,000 square feet and this is only eighty per cent of the firm's glass.

Weiland & Risch have purchased six lots adjoining their range of glass at Evanston and will proceed to cover them with glass for up-to-date cut flowers. They have Liberty roses ready to cut and say that thus far they have found the grafted superior to the own-root stock.

George Piepgras is selling hydrangeas by the wagon load. That is, he gets in a load of well-flowered plants, in 5 inch to 8-inch pots, sells them out at $9 a dozen and gets a fresh supply. He says he is going to keep it up all summer.

Peter Reinberg grew his first chrysanthemums last fall and was so successful with them that he has increased the planting for this season. Mr. Reinberg sent his first cut of Liberty roses to market June 12.

That Flint Kennicott, the active president of the Kennicott Bros. Co., is expected to attend the S. A. F. convention in New York in August will be welcome news to a great many people.

Mangel has been displaying Lawson carnation blooms in his window this week. This promises to be the favorite carnation next season.

Flowers for the banquet tendered the American Seed Trade Association on the occasion of its annual meeting here this week, were supplied by Peter Reinberg, Deamud, Wietor Bros., and Budlong.

Poehlmann Bros. have started between 700 and 800 chrysanthemum plants for fall sales in 10-inch pots. Last season this stock was fine and sold at good prices, as fast as ready.

Klehm's Drop White pæonies are finer than silk this year and there are many of them, but they sell rapidly and at good prices.

E. C. Amling says he sold more carnations on Tuesday of this week than in any one day of his business career.

J. S. Wilson is now acting president of the Western Springs village board of trustees, the president having gone away on a three months' vacation.

Walter Kreitling has a $200 decoration on for to-day at the Washington Park Club. Pæonies are to be the principal flower.

George Reinberg has made arrangements for an unlimited supply of water, one of the things he was short on last season.

Frank Hagen, one of A. C. Spencer's trump cards at Reinberg's, is highly elated over the arrival of his first daughter.

C. M. Dickinson says that he has every reason to be pleased with the state of business at E. H. Hunt's.

In town: B. Juerjens, of Peoria, Ill.; C. C. Pollworth, Milwaukee; J. McHutchison and J. Austin Shaw, New York; Geo. Faber, Kankakee, Ill.; J. C. Rennison, Sioux City, Ia.; C. Sanders, St. Louis.

PARKERSBURG, W. VA.—G. A. Heihle & Son and Gustav Obermeyer each have a share of the work of beautifying Terrapin Park and their combined efforts will made it the most attractive spot in the vicinity.

St. Louis.

BUSINESS SHOWS AN INCREASE.—DECORATIONS MAKE MUCH WORK.—STOCKS AVAILABLE.—VARIOUS NOTES OF INTEREST.

Business is improving in spite of the strike. This is due to weddings, of which St. Louis is having many, and other social events that call for decorations. Roses are in somewhat better supply than last week. There are gluts of other stock, especially carnations, but prices remain unchanged on everything, unless it be sweet peas; these are selling for 25 cents per bunch, or five bunches for $1, and just now seem to be "the" flower. Some Centaurea margaritæ, gaillardias, plenty of marguerites, coreopsis and forget-me-nots are to be had at the different stands. Kuehn had a nice lot of gladioli spikes a few days ago and tuberoses also are making their appearance.

Two large beds of Stella Guerney ageratum in the Missouri Botanical Garden present a very attractive appearance. The trials of sweet peas that are being made at the gardens for the Plant Seed Company are coming into full bloom this week. There is a new white variety among them that is claimed to be a bet ter flower and earlier than Emily Henderson.

The firm of Ostertag Bros. has another big wedding decoration, that for R. W. Fosenthal, at the Columbia Club next week. The boys remain in West Virginia to decorate the special car in which Mr. Kerens and his bride travel.

Otto Schwill was a visitor on Wednesday. He was on his way to Chicago and stopped off for the day.

Ellison & Tesson have some good asters in their show window. M.

DAYTON, O.—Warren Matthews, who has been ill for several weeks with inflammatory rheumatism is now well on the road to recovery.

THE AMERICAN FLORIST

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Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THE special chrysanthemum exhibition and conference at the Paris Exposition is scheduled for November 3 and 4.

DEALERS assure us the demand for dahlias is growing very rapidly and that many kinds ran short this season.

NEW ZEALAND papers just received show that Peter Barr is still hard at it, preaching park and garden improvement.

IN the recent advertisement of the Conard & Jones Co., Acalypha Sanderi at $8 per hundred were said to be in 3½-inch pots when 2½-inch was intended.

IN the advertisement of Groenewegen & Co., of Amsterdam, Holland, which appeared in our columns some time ago, seeds of Asparagus Sprengerii were offered at £3 per 1,000 when the price should have been $3.

CONTRARY to the expressed wish of its members, the officers of the window glass makers' union have ordered the continuation of this year's fire for two weeks from June 15 at the behest of the trust, which has agreed to cancel its orders for import glass.

American Carnation Society.

CARNATIONS REGISTERED.

By Geo. W. Love, Unionville, Pa., Brandywine, a pure white of good size, long stiff stem and a calyx that does not burst. Habit of plant exceedingly good, free from diseases and a profuse and continuous bloomer.

ALBERT M. HERR, Sec'y.

Soil Fungus.

ED. AM. FLORIST:—What causes a fine, web-like fungus growth on the surface of soil in which small ferns are growing, and what is a remedy for same? The soil is leaf mold and contains no fertilizer of any kind. I. N.

The web-like fungus growth referred to is usually caused by too close an atmosphere, or insufficient ventilation, and is likely to result in "damping off." The best preventive of this trouble is to ventilate the house or propagating frame quite freely at night during the warm weather. During the day it is usually found necessary to keep seedling ferns rather close in order to prevent them from drying out too rapidly, but as soon as the sun is off the house the seedlings should have more air, this system of night ventilation being regulated in accordance with the weather, and being continued until the nights become too cold to allow it. W. H. TAPLIN.

An Invitation to Philadelphia.

At the last regular meeting of the Florists' Club of Philadelphia, it was moved by John Westcott, seconded by George C. Watson, and carried with a heartfelt unanimity not soon to be forgotten, that a cordial invitation be extended to everybody intending attending the next convention of the S. A. F., which is to be held in Greater New York in August, and on their way thereto, to stop off at Philadelphia and renew old acquaintances possibly, and probably make some new ones, as the club room committee will hold open house during the Monday immediately preceding the opening of the convention. Everybody welcome. Don't fail to give us a call.

EDWIN LONSDALE, Sec'y, F. C. P.

Greenhouse Building.

Uniontown, Pa.—Barton Bros., carnation house 22x118, corridor 11x42.

Waynesboro, Pa.—Henry Eichholz, range of houses.

Fremont, Neb.—C. H. Green, violet house 18x136.

Tiffin, O.—Lewis Ullrich, carnation house 20x100.

Fairhaven, Mass.—W. P. Winsor, conservatory. Riverside Cemetery, plant house.

Westboro, Mass.—Arthur George, conservatory.

Evanston, Ill.—Weiland & Risch, range of houses.

Highland, N. Y.—A. W. Williams, one greenhouse.

Lenox, Mass.—Martin Finaghty, one house.

Peoria, Ill.—B. Juerjens & Co., three houses 25x125.

Poinsettia Culture.

ED. AM. FLORIST:—What is the best way to grow poinsettias in order to produce bracts twelve to sixteen inches in diameter? I have many plants nine and more years old, but the bracts have never been very large. State also the plan by which nice, low, bushy plants are produced for Christmas sales. H. J. H.

In order to produce large bracts on poinsettias it is essential that the plants shall be well fed, and also that they shall not be checked at any time. Taking for granted that the old plants referred to have had a proper rest, for about ten to twelve weeks after their last crop of flowers, and are now repotted and growing away freely, having been cut back to two or three eyes on a shoot before repotting, we would advise planting them out on a bench in full sunshine, for example the back bench of a rose house. About six inches of good soil should be used, with a liberal quantity of dry cow manure and a sprinkling of bone dust added. Ventilate freely during the warm weather, and water and syringe thoroughly as the plants become established.

The chief thing to be avoided in growing poinsettias is giving them a chill, and with this in view it is well to close the house when the nights grow cool in the fall, a lower temperature than 60° being injurious to these plants during their growing season. When the bracts begin to form, a watering with liquid manure once a week will be helpful, pure guano being excellent for this purpose, if used in moderation.

The small plants for Christmas sales are grown from cuttings of young wood that are rooted in June and July. These are potted off into 3 inch pots and shaded for a few days until established, using a similar compost to that noted above for the older plants. The young plants are kept in the greenhouse during the summer in the full light, or may be plunged in ashes in a frame, providing they are not allowed to remain there too late in the fall, and should be shifted on to 4-inch pots, and then to 6-inch pots as they may require it, but in each case giving the shift before the plants begin to suffer, the object being to retain the healthy, dark green foliage right down to the pot. Some liquid manure may be needed by these young plants during the latter part of the season, a 6-inch pot being as large as should be given them for convenience, but it is best not to over feed them, or they may become tall and long-jointed, besides being too soft to give entire satisfaction to the purchaser.

W. H. TAPLIN.

Denver.

SCHOOL OFFICERS STEP BETWEEN FLORISTS AND THEIR CUSTOMERS.— COMMENCEMENT BUSINESS LIGHT.—FLORISTS ORGANIZE A CLUB, ELECT OFFICERS AND PLAN A FLOWER SHOW.

Commencement week did not come up to the standard of last year. It seems that the Board of School Commissioners passed resolutions directing the superintendents of the various districts to announce that no flowers should be presented to the graduates in the schools, but could be sent to their homes. This had a disastrous effect on the flower trade. Many of the florists made great preparations for a big business, and some found themselves overstocked. Nevertheless a fairly good business was done. Beauties had first call and Brides, Bridesmaids, lily of the valley, carnations and sweet peas were cleaned out fairly well, but pæonies, poppies, etc., were left in large quantities. But Friday, June 8, was an exceptionally busy day, so all the surplus stock was well disposed of. Daniels & Fisher report a good trade, with the main call for Beauties. They are busy with June weddings, which are quite numerous. The Alpha Floral Co. report a brisk trade during the past week, particularly in their wholesale department.

On June 8 twenty-five florists gathered at the Gallup Floral Co.'s establishment for the purpose of organizing a florists' club. After outlining the objects in view they proceeded to elect officers as follows: President, A. J. Graham; first vice-president, J. A. Valentine; second vice-president, Mr. Glauber; recording secretary, John Berry; corresponding secretary, A. M. Lewis; treasurer, A. E. Mauff. After the election several committees were appointed, one of which is to wait on the park commissioners to ascertain their views on the matter of holding a flower show at the City Park greenhouses. It is understood that the park commission intends erecting a large conservatory and Mr. Davis, the head gardener, broached the subject of holding a show there to be of no expense to the florists and absolutely free to the public. No more favorable spot could be offered for such an exhibition, and it is hoped that all the florists of Denver will assist in making it a grand success.

The plant trade has not been very brisk, for the bedding done in Denver is very limited for so large a place.

We had our usual rain storm last Sunday, making the ninth rainy Sunday in succession. These occassional rains mean

considerable to the florists out here, for water rates are something enormous.

J. F. Wilcox, of Council Bluffs, is sending in some very fine Beauties, which are eagerly sought for. MUM.

Washington.

MANY DECORATIONS MAKE TRADE ACTIVE AT THE CAPITAL CITY.—WEDDINGS AND COMMENCEMENTS.—FLORIST LOOSE IN EUROPE

Trade has been quite active, with work for social events, the most notable of which was the wedding of Miss Anna Louise Hoeke, of Washington, and Victor Mapes, of New York, June 5, at Trinity church, which was beautifully decorated by J. Louis Loose.

On June 7, the marriage of Miss Florence S. Boardman, of Washington, and Frederick A. Keep, of Chicago, took place at the Boardman residence. J. H. Small & Sons did the decorating and more than 2000 pink pæonies were used. The bridal bower, at the end of the room, was formed with garlands of Asparagus plumosus nanus, orchids and Bridesmaid roses, taking about 2000 roses.

J. Louis Loose sailed for Europe Saturday, June 9. After visiting the Paris Exposition he will make an extended tour through France, Germany, Holland and Belgium, returning about the first of September.

Small & Sons did some good work for the twenty-ninth annual commencement of the law department of Georgetown University, June 11. P. G.

OBITUARY.

NATHAN DEAN.

Nathan Dean, a well known grower of Holbrook, Mass., died June 8, aged 52 years.

F. J. HAUSER.

Francis J. Hauser, a well known florist at Reading, Pa., died June 8. He was sixty years of age and was a veteran of the Civil War, having served with distinction throughout that great conflict.

D. S. CHASE.

Daniel S. Chase, of Dighton, Mass., who died on June 7, at the age of 86, was for years in the grocery and dry goods businsss in Swansea. In 1861 he bought a farm in Dighton and for the past fifteen years had carried on the plant and cut flower business with his son, C. S. Chase. They have been large growers for the Boston market. Mr. Chase was a very much esteemed citizen.

MORRIS, ILL.—A. Mitting, secretary of the Morris Floral Co., started June 11, accompanied by his family, for a three months' trip to Europe, during which he expects to pick up some good novelties for his trade.

SITUATIONS. WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent W, care American Florist.

SITUATION WANTED—By florist, age 23, on private or commercial place general greenhouse work. FLORIST, 90 Sixth Ave, New York City.

SITUATION WANTED—By single man, age 20, in or near Chicago. State wages Address LAVSIDS NIELSEN, 3758 State St. Chicago.

SITUATION WANTED—By competent single florist, well posted in all branches. Please give particulars in answer. Address K W, 339 Paulina St., Chicago, Ill.

SITUATION WANTED—By gardener, married, without children, understands greenhouse fruits vegetables, also under glass. Good references JAMISON care Heacock, Wyncote, Pa.

SITUATION WANTED—As rose grower under foreman or for general stock Address DICK SCHWARZE, care D. Oetjen, Lake St and Park Ave., River Forest, Ill.

SITUATION WANTED—By practical florist and rose grower, carnations, mums, specialties Good all-around decorator and designer Best references. Address W H. care P. O. Cleveland, O.

SITUATION WANTED—By man and wife, to take entire charge. Man is a grower and wife floral designer Man strictly temperate. Good recommendations. Write for full particulars. Address SMYTHE, care American Florist.

SITUATION WANTED—Private place, or one to board away from work preferred; English, age 29; 14 years' experience in all branches of florist and gardening work. Abstainer Good references. Address J. LAKE, Concord, N. H.

SITUATION WANTED—By thoroughly reliable and practical florist as foreman or to take charge; 20 years' experience as grower of roses, carnations and general assortment of plants. Married Address FLORIST, 2780 North 40th Ave, Chicago.

WANTED—German florist; state age, experience, wages wanted. Address THE VAIL SEED CO. Indianapolis, Ind.

WANTED—Beauty grower for new section houses. Call or address BRANT & NOE, Forest Glen, Chicago, Ill.

WANTED—A young man for store and greenhouse. Send references to H. F HALLE, 548 W. Madison St., Chicago.

WANTED—A good man as assistant in greenhouse; must be sober; age 18 to 20. Address ROSE, care American Florist.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—A good florist, single; competent of handling palms and ferns Address H F. HALLE, 548 W. Madsion St, Chicago.

WANTED—Two good Beauty growers to work under foreman. Address WEITOR BROS., 51 Wabash Ave., Chicago.

WANTED—Man, single, sober, industrious, to do general greenhouse work; $20 per month and board. H. BOOK, Worcester, Mass.

WANTED—Man, single, sober, industrious, to do general greenhouse work: $20 per month with board B. B. BLAIR, Charlevoix, Mich.

WANTED—To buy steam boiler in good condition, to heat small greenhouse, with or without pipe, State price. Address Box 627, Blue Island Ill.

WANTED—A young man for rose growing and general propagating on a place of 1400 feet of glass. Address J H, care American Florist, Chicago.

WANTED—A competent man to act as manager of 65 000 feet of glass in cut flowers Present foreman resigns on account of ill health Address E. HIPPARD, Youngstown, O.

WANTED—A single, first class grower of cut flowers, one who can also grow mushrooms. Apply with references and state wages Address CHRIST HANSEN, St Paul, Minn.

WANTED—A steady man for roses and carnations; only one who has a record for trustworthiness and attention to business; wages $25 to $30 per month with board and lodgings. Address CARL HIRSCH, Hinsdale, Mich.

WANTED AT ONCE—Rose and carnation grower to take charge of 20,0 0 square feet of glass: must be worker. State wages wanted with board and washing; also age and telegraph address. Apply JOHN L. WYLAND, De Haven, Pa.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE CHEAP—500 feet 3½-inch iron pipe, with fittings in good condition Will sell lot at 10c per foot. A bargain. Address quick. J. A. BROWN, Howell, Mich.

FOR SALE—Greenhouse plant, 25 000 feet of glass; place as good as new, 2½ acres of land with good dwelling house, barn, etc.; 14 miles from court house, Chicago. W L, care American Florist, Chicago

FOR SALE CHEAP—Ten greenhouses, office, barn, ground and dwelling Steam heated, centrally located in city of 60,0.0 inhabitants. Reason for selling, widow MRS GEO. WALDBAUER, 1317 N. Michigan Ave, Saginaw City, Mich.

FOR SALE—Greenhouse plant containing 7000 feet of glass, built three years ago, three acres of land, dwelling house and stock. 25 miles from Boston and a good chance for a wholesale and retail business. Easy terms Address R B, care American Florist, Chicago.

FOR SALE.

One-half interest in the business, or for rent, two up-to-date Greenhouses, 20x50 each, new and in good running order; in a lively western city, a good opportunity for a first-class florist to make money; no competition, 7,000 inhabitants. Best reason for selling. Address

C F, care American Florist, Chicago.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE at a great sacrifice

STOCK OF PLANTS AND SIX GREENHOUSES with latest improvements, steam heat, etc.; opposite cemetery, large ground fronting main street in prosperous town close to Chicago; street car passing the door; best opportunity to secure excellent investment and well-paying business. Reason for selling, owner going to Europe.
S. Schallman & Co., Room 1204, 138 Wash. St., Chicago

FOR SALE. A first-class greenhouse business about 80 miles from Chicago. Have 11,000 square feet of glass and considerable valuable ground. Located in central part of city of about 20,000 population ma es the property quite high priced. Any live florist with small capital can purchase a fine range of glass very reasonably; doing a fine business. Can give long lease of ground with privilege of buying or will sell part of ground. Everything is as good a new and a bargain—a chance you won't often get. Good reasons for selling. Don't inquire unless you mean business. Ad's Florist, care Am. Florist.

LARGE GREENHOUSES and FLORAL BUSINESS FOR SALE AT A BARGAIN.

Centrally located in a flourishing and growing city of nearly 150,000 people. The leading house in that line within a radius of 200 miles. A large and fine trade with the best class of customers. No house has a better reputation. No debts of any kind. This plant is offered for sale at a great bargain because the proprietors have gone into other business. Address for particulars,

Q & C, care of this paper.

FOR SALE

The Morris Floral Co., Morris, Ill., 61 miles west of Chicago, doing a retail and wholesale business; incorporated 1897; 20 000 feet of glass, doing a business that increases every year: the increase over 1899, was $1,282.61 up to April 1, 1900. The reason for selling is that A. Mitting, Secretary and Manager, is retiring and there is no one else in the company who understands the florist business. The property includes six acres of land, two houses and barn; everything up-to-date; boiler capacity equal to 40,000 ft. of glass; all new 1897; cannot be built to-day for less than $20,000. Terms $3,000 cash, balance good paper. Sold by bids to highest bidder. All bids must be in before July 1. If you mean business come and see us.

A. MITTING, Sec'y, Morris, Ill.

FOR SALE

A fine farm of 439 acres of rolling land under cultivation, a fine dwelling, good water, plenty of fruit trees. An excellent opportunity. Write for particulars. Price, $5,500.

A large plant situated in a large town in Ohio, 60,000 ft. of glass. A modern place, fully equipped and stocked. Three dwellings. City store, furniture and equipments. Reasons for selling and price will be furnished on application.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

New Haven, Conn.

Trade has dropped off during the last two weeks and the demand seems to be for outdoor roses and sweet peas in preference to other flowers. Weddings are in order just at present and there are some very fine church decorations being put up; one particularly effective was that for the Townsend-Day wedding on June 15, flowering laurel being used with garden roses by the Champion Co.

There was a small attendance at the auction of the O. H. Nye greenhouse and stock, which took place last week and very poor prices were realized.

At the meeting of the Horticultural Club held June 11 it was decided to hold a chrysanthemum show in New Haven this fall.

Recent visitors: G. H. Rowden, of Wallingford; L. Siebert, East Hampton; S. E. Banks, Westport. G. H. H.

BAR HARBOR, ME.—Fred. H. Moses has arrived to open his floral establishment for the summer, which promises to be a very busy one here.

Wholesale Flower Markets

CINCINNATI, June 14.

Roses, Bride	3.00@ 4.00
" Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Perle	3.00
Carnations	.75@ 1.00
" fancy	1.50@ 2.00
Lily of the valley	4.00
Gladiolus	4.00
Callas	6.00@ 8.00
Stocks	2.00
Sweet peas	.30@ .40
Tuberoses	4.00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Harrisii	8.00@10.00
Asparagus	50.00

ST. LOUIS, June 14.

Roses Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Perle, Wootton	2.00@ 3.00
Carnations, common	.75@ 1.00
" fancy	1.50@ 2.00
Sweet peas	.25@ .40
Smilax	12.50@15.00
Adiantum	.60@ 1.00

MILWAUKEE, June 14.

Roses, Beauty, long, per doz.	3.00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Kaiserin	6.00@ 8.00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	4.00
Auratums lilies	15.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, June 14.

Roses, Beauty, fancy	20.00@25.00
" " extra	10.00@15.00
" " No. 1	10.00@20.00
" " culls	3.00@12.00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	2.00@ 8.00
" Perle	2.00@ 6.00
" Cusin	2.00@ 4.00
Carnations, ord'nary	.75@ 1.50
" fancy	2.00@ 2.50
Lily of the valley	2.00@ 4.00
Harrisii	5.00@ 6.00
Sweet peas	.35@ .75
Pansies	.25@ .50
Daisies	.25@ 1.00
Peonies	3.00@ 6.00
Smilax	12.50@15.00
Gladiolus	3.00@ 6.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00

DENVER, June 13.

Roses, Beauty, select	20.00@30.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	4.00@ 5.00
Carnations, ordinary	1.50@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Sweet peas	.50
Asparagus	60.00
Smilax	18.00
Ferns	.30
Galax leaves	.20

Orchid Flowers.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

Shipments made direct from greenhouses, insuring fresh and perfect blooms.

N. B. It is particularly requested that the stock here offered be not confused with similar stock offered by commission dealers at lower prices, which has been shipped from New York. Rosebank Orchids are never sold through commission dealers.

CATTLEYAS
(IN VARIETY)
$6.00 per Dozen.

500,000 FEET OF GLASS

PETER REINBERG.

PRICE LIST.

LARGEST GROWER OF
CUT FLOWERS
IN AMERICA.
51 Wabash Ave., CHICAGO.
Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

AMERICAN BEAUTIES.	Per Doz.
Long	$3.00
Medium	1.50 to 2.50
Short	1.00 to 1.25
	Per 100.
METEOR	$4.00 to $6.00
BRIDE	3.00 to 5.00
BRIDESMAID	3.00 to 5.00
PERLE	3.00 to 4.00
GOLDEN GATE	6.00 to 8.00
CARNATIONS, fancy	1.50 to 2.00
" common	1.00 to 1.25

Everything in the
CUT FLOWER
line.

WIRE WORK,
the kind
that will give satisfaction.

and a
complete line of FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

FLOWERS of ALL DESCRIPTIONS
For Commencement Exercises and June Weddings.
C. C. POLLWORTH CO., Milwaukee, Wis.

SUCCESSFUL SELLERS
are the successful growers who advertise in THE AMERICAN FLORIST

J. B. DEAMUD,

51 WABASH AVE., CHICAGO.

CURRENT PRICES.

Send your order in early. We shall have an abundance of all kinds of flowers.

Headquarters for PÆONIES.

CATTLEYAS, $4.00 per Dozen.

	Per Dozen.
BEAUTIES, short	$1 00
" medium	1.50 to 2.00
" long	2.50 to 3 00
	Per 100
BRIDES and MAIDS	$3.00 to $4.00
METEORS	3.00 to 4.00
PERLES	2 00 to 3.00
KAISERINS	2.00 to 4 00
" very fancy	6.00
CARNATIONS, assorted	1.00 to 1.50
" fancy	2.00 to 3.00

	Per 100
PEONIES	$3.00 to $5.00
LIL. HARRISII	8 00 to 10.00
CALLAS	8.00 to 10.00
FORGET-ME-NOT	1 00
VALLEY	4.00
FERNS Per 1000 $1.50	.20
ADIANTUM	.50
SMILAX Per doz. $2.50	20.00

Prices subject to change without notice.

McKellar & Winterson's

Modern Supply House.

We have a fine assortment of

BASKETS suitable for **SCHOOL CLOSINGS**

and offer same at greatly reduced prices.

Special attention given to assortments, $5.00, $10.00 and up. Parties leaving selection to us will be sure of getting nothing but strictly good standard styles, as we have no other.

Give us your order now together with your needs in

CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

Carnation Blooms

In Unlimited Quantities

SHIPPED TO ALL POINTS.

Chicago Carnation Co., JOLIET, ILL.

WEILAND-AND-RISCH

We are large Growers and Shippers of CUT FLOWERS

ALL THE NEW VARIETIES.

YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, June 15.

Roses,	Beauty,	extra long stems	3.00@ 4.00
"	"	30 inch "	3.00
"	"	24 " "	2.50
"	"	20 " "	2.00
"	"	15 " "	1.50
"	"	12 " "	1.25
"	"	8 " "	1.00
"	Bride, Bridesmaid		3.00@ 5 00
"	Perle		2.00@ 4.00
"	Meteor		4.00@ 6.00
"	La France		4 00@ 5.00
"	Golden Gate		6.00@10.00
Carnations			1.00@ 1.50
"	fancy		1.50@ 2.00
Lily of the valley			3.00@ 5 00
Mignonette			2.00@ 6.00
Harrisii			8.00@10 00
Callas			8.00@10 00
Sweet peas			1.00@ 2.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			12 50@15.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST.

64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL JULY 1st, WILL BE OPEN FROM 7:00 A. M. TO 8:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, Always on Hand: CARNATIONS. BRIDESMAIDS. BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,

CHICAGO.

It is good business policy to mention the

..AMERICAN FLORIST

when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, June 13.

Roses, Tea	1.00@ 2.00
" " extra	3.00@ 5 00
" Beauty, extra	10.00@15 00
" " firsts	6.00@ 8.00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asparagus	35.00@50 00
Smilax	15.00@20.00
Adiantum	.75@ 1.00

BOSTON, June 13.

Roses, Beauty, extra	15.00@20.00
" " medium	4.00@ 6 00
" " culls	1.00@ 2 00
" Bride, Bridesmaid, Meteor	.50@ 3.00
" extra	4 00@ 6 00
" Kaiserin	6.00@ 8.00
Carnations	.50@ .75
" extra	1 00@ 1.50
Lily of the valley	3.00@ 4 00
Longiflorums	4 00@ 6.00
Sweet peas	.25@ .50
Astilbe, Stocks	1 00@ 2 00
Smilax	10.00@12.00
Asparagus	50.00
Hardy ferns	.20

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET, ST. LOUIS, MO.

A complete line of Wire Designs.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

5515 Fifth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets. Solicited.

J. M. COHEN, Florist,

Telephone 2385.
CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
JUNE SPECIALTIES. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

GHORMLEY & PERKINS,
Wholesale Commission **Florists,**
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ROSES, CARNATIONS, VALLEY
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Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
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Wholesale Flower Markets

NEW YORK, June 13.

Roses, Beauty select	15.00@20.00
" " medium	4.00@ 6.00
" " culls	.50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " " Select	4.00@ 6.00
Carnations	.25@ .50
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Sweet peas	.10@ .15
Pæonies	1.00@ 2.00
Harrisii	2.00@ 4.00
Cattleyas	30.00@40.00
Gardenias	12.00@15.00
Smilax	8.00@12.00
Asparagus	25.00@35.00
" Sprengerii, per doz. bunches	.75@1.00
Adiantum	.50 .75

BUFFALO, June 14.

Roses, Beauty	15.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 6.00
" Perle, Niphetos	3.00
" Kaiserin	6.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Sweet peas	.50
Harrisii	10.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

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Capable, experienced. Consignments solicited.

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Special Attention Given to Shipping Orders.

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CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

CONNECTICUT turnips and onions are looking well.

THE eastern sweet corn crop, so far, appears better than usual.

LEM W. BOWEN, now in Europe, is expected home about July 15.

THE present condition of New York and Canadian peas and beans is said to be good.

H. CHEESEMAN is now with L. L. May & Co., of St. Paul, Minn., representing that firm in the east.

MR. WEEBER, of Weeber & Don, New York, is away on a vacation rendered necessary by poor health.

KEENE, N. H.—Ellis Bros. have sold their flower and vegetable seed and mailing business to L. P. Butler.

THE list of seedsmen visiting Chicago this week is held over to next week owing to pressure on our space.

ROBERT GAIR, the seed bag manufacturer, has met with a serious accident, a heavy piece of machinery falling upon his foot. Blood poisoning having set in, it was necessary to resort to amputation.

PROMINENT seedsmen at Chicago this week, who have had representatives in the blue grass region lately, say the crop this year is a good average one. Reports from growers in the same territory are rather more optimistic.

PARIS, FRANCE.—Since my last letter we have had no rain to speak of and, as the only good shower which fell around Paris, on May 7, was not general and did not extend to the leading growing districts, many crops are in poor shape. The radishes, especially, are suffering very much. At the time of writing it is cold and a little rain is falling, but it comes, unfortunately, too late to help the radishes, which could not be transplanted in time and are now hollow, pithy and overgrown. Like cabbages, the radishes will be very scarce and probably high priced next season.

PARISIAN.

Wholesale Seed Merchants' League.

After the meeting of the American Seed Trade Association at Chicago this week, the members of the Wholesale Seed Merchants' League held a brief conference, during which the following officers were elected: F. W. Bruggerhof, president; S. F. Leonard, vice-president; W. Atlee Burpee, secretary-treasurer.

The American Seed Trade Association at Chicago.

The eighteenth annual meeting of the American Seed Trade Association was opened with a good attendance by President Rodgers in the ladies' ordinary of the Grand Pacific Hotel, Chicago, June 12. So many members and others interested continued to arrive during the week that the meeting was quite representative in character, and the interest shown in the highly instructive proceedings made it one of the best on record.

In his opening address President Rodgers extended the visitors a hearty welcome to the city and congratulated the association on its increasing membership. He called attention to the interest now taken by the trade in the work of the association and urged the members to increased effort. He referred to the importance of giving more careful study to the conditions governing the use of various grasses and other forage plants. He felt that this department of agriculture was but in its infancy and that those who thoughtfully considered its possibilities would surely meet with great success.

The topics presented for consideration were widely varied and much interest was shown in their discussion, the question box proving exceedingly useful. The more important subjects were as follows: "Tariff, Customs and Express," "New Century Conditions," S. E. Briggs and S. F. Leonard; "Commission on Box Seeds;" "Prices;" "Cost of Catalogues;" "Commercial Travelers;" "How to make an Effective Catalogue at a Minimum Cost, Value of Catch Phrases, Does Advertising Cheap Collections Pay," Chas. N. Page; "Cauliflower Cultivation and Reproduction," C. L. Allen; "The Pleasant Side of Business Association," Chas. B. Heath; "The Successful Retail Seedsman," W. C. Langbridge, etc. In this connection it should be stated that the secretary was instructed to spread on the records of the meeting, the recent correspondence on the "Vitality and Purity of Seeds," by Burnet Landreth and C. L. Allen.

Twenty-one new members were admitted during the meeeing. On an informal vote testing the sense of the meeting regarding place of meeting in 1901, a majority favored Buffalo, N. Y., and accordingly the next meeting will be held in the Pan-American city. The election of officers for the ensuing year resulted as follows: Albert McCullough, president; F. W. Bolgiano, first vice-president; S. G. Courteen, second vice-president; S. F. Willard, secretary-treasurer, re-elected; A. N. Clark, assistant secretary, re-elected; Alex. Rodgers, C. S. Clark, W. J. Mandeville, Albert J. Brown and I. B. Clark, executive committee. Chicago seedsmen and friends tendered the visitors a banquet in the dining hall of the Chicago Athletic Association on the evening of June 13. Covers were spread for 117, J. C. Vaughan acting as toastmaster. The early part of Thursday, June 14, was taken up with a sail on the drainage canal and a tally-ho ride over the South Park System, the greater number, including the numerous ladies in attendance, favoring the canal trip. Upon their return from the boat ride the members of the association assembled in the parlors of the Grand Pacific Hotel, and President-elect McCullough, with great solemnity, summoned before them Alex. Rodgers, the retiring president. Having presented himself, J. E. Northrup stepped forward and produced a handsome gold-mounted cane, accompanying its presentation to Mr. Rodgers with the following:

The members here present, about fifty-six,
Have selected from various walking sticks,
This one of rare and tasteful design,
To give to our president of old '99.
'Tis the wish of each one in presenting this gift,
Towards the purchase of which we all gave a lift,
That your life may be long and full of true joy,
That your years may be happy and without alloy,
But whate'er the weather, be it sunshine or rain,
May you find firm support in this beautiful cane.

Resolutions touching the death of the late C. C. Morse, of Santa Clara, Cal., and Buell Lamberson, of Portland, Ore., were adopted by the association.

Potted Egg Plants & Begonias

New York Spineless Egg Plants, fine stocky plants in 3-inch pots, $3.00 per 100, $25.00 per 1000.
Begonia Rex Plants, named sorts in 2½-inch pots, just ready for a shift, 70c per dozen, $5.00 per 100.
WRITE for quotations on White ROMAN HYACINTHS, Paper White NARCISSUS and Dutch Bulbs.

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WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

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Hardy Cut Ferns
FANCY and DAGGER.
In full bloom now. In 1000 lots 50c. In lots of over 1000 40c per 1000. Laurel Roping 4c per yard. Bouquet Green Roping 4c per yard. Sphagnum Moss 50c per bbl.
All orders by mail or dispatch promptly attended to.
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HARDY CUT FERNS New crop Fancy and Dagger Ferns will be ready for shipment by June 15. Now is the time to arrange for your summer supply. We guarantee to furnish strictly first-class stock. Write for special prices to the trade on Ferns, Sphagnum Moss, Laurel, Evergreen Festooning, Hemlock and Spruce Boughs, etc. etc. On receipt of 50c. I will send as sample, 1000 assorted ferns, also sample of moss, etc. Address all letters and orders to
H. J. SMITH, HINSDALE, MASS.

NOTICE.
We are now ready to give you LOWEST estimates for FIRST-class stock of
Freesias, Harrisii, Callas, Romans Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.
Send us list and we will give figures. Address
H. H. BERGER & CO., (Est. '78) 47 Barclay St., N.Y.

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VAUGHAN'S LIST OF SEASONABLE SEEDS ...For... Florists' Use.

Vaughan's International Primula Mixture. This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors enough to give a large variety of colors, the most important shades predominating. It contains some of the above mentioned Giant sorts, some Fern leaved, some blue; also some with dark leaves and stems. Pkt., 350 seeds, 50c; 5 pkts., (1750 seeds,) $2; per 1/16 oz., $2.50.

PRIMULA SINENSIS FIMBRIATA, (Chinese Primroses).

	250 seeds.	1000 seeds.
Alba, pure white	$ .50	$1.50
Chiswick Red, bright red	.50	1.75
Kermesina Splendens, crimson	.50	1.75
Atrosanguinea, brightest deep red	.50	1 70
Alba Magnifica snow white, of excellent form and habit.	.50	1 70
Peachblossom, beautiful white with pink hue	.50	1.70
Blue, a clear sky-blue	$ .50	$1.70
New Upright Deep Velvety Red	.50	1.75
Rosea, bright pink	.35	
Mont Blanc, new, large, pure milk-white flowers	.50	
Striata, white and lilac striped	.35	
PRIMULA Mixed, a splendid variety	1/8 oz., $3.00: .25	1.25

VAUGHAN'S COLUMBIAN CINERARIAS. This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Per T. pkt., about 100 seeds, 50c; 3 pkts. for $1.25.

CALCEOLARIA HYBRIDA.—Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties and we know it will give entire satisfaction. Trade pkt. (100 seeds), 50c.

CYCLAMEN, Giant Flowered. *Cyclamen Persicum Giganteum Splendens.*—We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors.

	100 seeds.	1000 seeds.
Giganteum Album, Mont Blanc, pure white	$ .75	$5.00
Deep Crimson, very large	.75	5.00
Rosa von Marienthal, splendid pink	.75	5.00
White, Carmine Eye	.75	5 00
Giant Flowered Sorts, best mixed	1/8 oz., $1.50: .50	4.50
CYCLAMEN, Persicum, fine mixed	pkt., 25c; 1/4 oz., 70c: oz., $2.50	

For full list of Seeds, write for our Import List just out.

Bamboo Cane Stakes,
Per 100, 75c; 250, $1 25; 1000, $4.00; f. o. b. Chicago.

Rose Grower Bone Meal,
The best for Florists' use. It is ground fine, hence is quick acting. 50 lbs., $1.00; 100 lbs., $2.00; 200 lbs., $3.50.

CHICAGO, 84-86 RANDOLPH STREET. **VAUGHAN'S SEED STORE,** NEW YORK, 14 BARCLAY STREET.

LAKEVIEW ROSE GARDENS,

Wholesale Growers,

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR **Cut Flowers.**

SMILAX.

Per 100

Fine plants, 2-in. pots.....1000, $8.00; 1.00

ASPARAGUS { Sprengerii, 2-inch pot..... 3.00
{ Plumosus Nanus..... 4.00

Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea..... 2.00

Pansy seed, large-flowering.....$4.00 per oz.

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JOS. H. CUNNINGHAM
DELAWARE, O.

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SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.

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IVORY 'MUMS FINE STOCK.

2½-inch pots,
$2.00 per 100, $17.50 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

ASSORTED FERNS

In Flats,
Ready for Potting, $2.00 Per Flat.

Ampelopsis Veitchii,
Pot Grown, $6.00 Per 100.

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RUTHERFORD, N. J.

Crotons

Now is the time to think about bedding out these beautiful foliage plants, though in the vicinity of Philadelphia the first week in June is early enough.

We have them in the following varieties, all of which are excellent for the purpose indicated: Andreanum, Aureum Maculatum, Evansianum, Interruptum, Queen Victoria, Rubro-lineatum, and a few others. Very fine plants.

6-in. pot plants, 15 to 20 in. high, 75c to $1 each.
4 " " ..... $3.00 per dozen.
3 " " ..... 8.00 per 100.
Aureum Maculatum... $5 per 100, $35 per 1000.

Money Order Office, Chestnut Hill, Sta. H. Philadelphia.

EDWIN LONSDALE,
Wyndmoor,
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There are buyers for all kinds of stock advertised in the American Florist.

Bargain in Choice Plants

PANDANUS Veitchii, 4-in., fine, $6.00 per doz.
FICUS, top cuttings, 4-in., strong, $3.50 per doz.
FUCHSIA Lord Byron, 2½-in., 75c; 3½-in., $1.00; 4-in., $1 50 per doz.
CHRYSANTHEMUM, Little Chris, perpetual white, 2½-in., $1.00; 3½-in. in bud and bloom, $2.00 per doz.
CLIVIAS, strong imported, large flowering, $2.50 to $6.00 per doz.
ROSES Hermosa, Soupert, Gontier, 4-in., fine $2.00 per doz., $15.00 per 100.
PETUNIAS, Dreer's best double, 3½-in., $5 per 100.
GERANIUMS, Nutt, Pilot, Surpass Queen, Bruant John Doyle, 2½-in., $3.50; 3½-in., fine, $6 per 100; double and single mixed, 2½-in., $2 50; 3½-in. $4; 4-in., very fine, $6 per 100. ALTERNANTHERA, red, $2.50 per 100. SALVIAS, dwarf scarlet, 2½ in., $3.50 per 100. Address

JOHN G. HEINL & SON, Terre Haute, Ind.

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LEADING CHRYSANTHEMUMS.

White—Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jones, Independence, Weeks, Frank Hardy; Yellow—Golden Trophy, Henderson, Johnson, O. P. Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch; Pink—Maud Dean, Montmort, Glory de Pacific, Morel, Perrin, Murdock; Bronze—Chas. Davis; Red—Geo. W. Childs out of 2½-in. pots, $2 per 100, $18 per 1000.

Also White—Lady Fitzwygram, Mayflower, Chadwick and Western King; Yellow—Pennsylvania, Golden Wedding, Yellow Jones, H. W. Rieman; Pink—Autumn Glory; Red—Defender, Schrimpton; Bronze—Lady Hanham; 2½-in pots, $2 50 per 100, $22 50 per 1000; 5 0 or more at 1000 rates.

ROSES, Bridesmaids, Brides and Perles 3-in., $4 per 100, $35 per 1000; ready for benching.
Terms cash, or will send C. O. D.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

NOVELTIES IN PLANTS

That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr Peter Barr's New White Lupin The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea Send for Catalogue of Novelties.

Always in quantity—Asparagus Sprengeri, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices

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THEO J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

American Association of Nurserymen.

The twenty-fifth annual meeting of the American Association of Nurserymen was memorable for many things; first for the fact that the silver anniversary was celebrated in the city which saw the birth of the association, and second, that the attendance was the largest on record, but most of all was it notable for the amount of business transacted between sessions, good, honest, money-making buying and selling, barter which means dollars and cents to every man who sought a share of the profits and which insures, moreover, long life to the association.

Long before President Wilson J. Peters called the convention to order in the parlor of the Chicago Beach Hotel it was evident that the meeting was to be one of unbounded enthusiasm, and it did not belie its promise. In his address Mr. Peters spoke of the eminently satisfactory state of affairs in general, and the secretary and treasurer, who followed with their reports, showed the association to be sharing in the universal prosperity. The treasurer's statement showed a balance of $1,400, but Secretary Seager urged the extension of the membership in order to lend greater force to the movements of the association.

The report of the legislative committee dealt with the operations of that body in its fruitless efforts to secure the passage of the federal inspection bill, and was provocative of a vast amount of discussion. It was shown that this unpassed act has already cost the association $1,287, and oratory was employed unstintingly in commending the work or deploring the lack of returns for the investment, but the upshot of the matter was that the committee was continued. T. B. Meehan reported for the committee on customs houses and tariff. He narrated at length the efforts made to correct certain well known shortcomings in the system, and stated that remedial measures had been applied and are working in a fairly satisfactory manner.

Thursday was devoted to papers and discussions upon subjects drawn from the question box. Hon. N. H. Albaugh related, extemporaneously, reminiscences of the early days of the association, N. W. Hale discussed the retail nursery business and recommended an organization of agents, Prof. N. E. Hansen told of new lines of work for prairie nurserymen and R. C. Berckmans, who served in the Cuban war, discussed the future of the nursery business in our new possessions.

There were the usual exhibits in the corridor, principal among the displays being those of Thos. Meehan & Sons, Baker Bros., Stecher Lithographic Co., Hiram T. Jones, Benj. Chase, Dayton Fruit Tree Label Co., Jos. Heinl, Rochester Lithographing Co., and the McMillan Co.

It was voted to meet upon the second Wednesday in June, 1901 at Niagara Falls, N. Y.

The election of officers resulted as follows: President, Theodore J. Smith, of Geneva, N. Y.; vice-president, N. W. Hale, of Knoxville, Tenn.; secretary, Geo. C. Seager, of Rochester; treasurer, C. L. Yates, of Rochester; executive committee, Irving Rouse, Rochester; C. L. Watrous, Des Moines, and E. Albertson, Bridgeport, Ind.

President-elect Smith announced the following committee appointments:

Transportation, the president, ex-officio chairman; A. L. Brooke, North Topeka, Kans.; Wm. Pitkin, Rochester, N. Y.; Peter Youngers, Geneva, Neb.; N. W. Hale, Knoxville, Tenn.

Legislation, C. L. Watrous, Des Moines; N. H. Albaugh, Phoneton, Ohio; Silas Wilson, Atlantic, Ia.; C. J. Brown, Rochester; R. C. Berckmans, Augusta, Ga.

Tariff, Irving Rouse, Rochester; J. J. Harrison, Painesville, Ohio; T. B. Meehan, Germantown, Pa.

The following members were present or represented:

C. L. Yates, Irving Rouse, Rochester Lithographing Co., Allen L. Wood, Charlton Nursery Co., Ellwanger & Barry, Brown Bros. Co., Stecher Lithographic Co., Ralph T. Olcott, Chase Bros. Co., Allen Nursery Co., Hawks Nursery Co., John Charlton & Sons, J. N. Mandeville, Rochester, N. Y.; A. L. Brooke, L. R. Taylor & Sons and Peters & Skinner, North Topeka, Kans.; T. S. Hubbard Co., Geo. S. Josselyn, J. H. Clark, F. E. Schifferli and Z. E. Wheelock, Fredonia, N. Y.; E. B. Clark, Milford, Conn.; H. W. Wood, Richmond, Va.; L. H. Manley, Buffalo; P. Ouwerkerk, Jersey City; P. J. Berckmans Co., Augusta, Ga.; J. Horace McFarland, Harrisburg, Pa.; H. J. Weber & Sons Co., Nursery, Mo.; Tennessee Wholesale Nurseries, Winchester, Tenn.; R. Douglas' Sons, Waukegan, Ill.; W. M. Peters' Sons, Wesley, Md.; F. W. Watson & Co., Topeka, Kan.; Donaldson & Gibson, Warsaw, Ky.; Arthur Bryant & Son, Princeton, Ill.; Alex. Pullen, Milford, Del.; Gustave Klarner, Quincy, Ill.; W. N. Scarff, New Carlisle, O.; Youngers & Co., Genera, Neb.; E. G. Mendenhall, Kinmundy, Ill.; Sedgwick Nursery, Sedgwick, Kans.; Morey & Son and C. W. McNair, Dansville, N. Y.; A. C. Griesa & Bro.; A. H. Griesa and C. W. Carman, Lawrence, Kans.; S. J. Baldwin, Seneca, Kans.; Thos. Meehan & Sons, Germantown, Pa.; Dayton Fruit Tree Label Co., and John Siebenthaler, Dayton, O.; D. Hill, Dundee, Ill.; Andre L. Causse, New York; Irving Jaquay & Co., and West Michigan Nurseries, Benton Harbor, Mich.; J. G. Harrison & Sons, Berlin, Md.; Hiram T. Jones and Elizabeth Nursery Co., Elizabeth, N. J.; Sears, Henry & Co., R. G. Chase Co., H. E. Merell, and W. & T. Smith Co., Geneva, N. Y.; Albertson & Hobbs, Bridgeport, Ind.; Benjamin Chase, Derry, N. H.; Greening Bros., A. M. Pearsall and I. E. Ilgenfritz's Sons, Monroe, Mich.; Jackson & Perkins Co., Newark, N. Y.; New Haven Nurseries; New Haven, Mo.; Vaughan's Seed Store, Chicago; August Rhotert, New York; E. A. Riehl, Alton, Ill.; Storrs & Harrison Co., Painesville, O.; J. Wragg & Sons Co., Waukee, Ia.; Edgar Sanders, Porter & Hill and J. C. Ure, Chicago; E. M. Buechly, Greenville, O., Joseph Heinl, Jacksonville, Ill.; C. L. Watrous, B. F. Bonewell & Co., E. L. Watrous and DesMoines Nursery Co., DesMoines, Ia.; Henry Wallis, Wellston, Mo.; Henry Schroeder, Sigourney, Ia.; J. Van Lindley, Pomona, N. C.; C. E. Baldwin & Co., Augusta, Mich.; Nelson Bogue, Batavia, N. Y.; A. E. Windsor, Havanna, Ill.; Thos. E. Cashman, Owatonna, Minn.; Hoyt Bros., Scotch Grove, Ia.; J. Jenkins, Winona, O.; H. W. Jenkins, Boonville, Mo.; Klehm's Nurseries, Arlington Heights, Ill.; C. C. Nash, Three Rivers, Mich.; Nichols & Lorton, Davenport, Ia.; Geo. Peters & Co., Troy, O.; H. A. Johns and J. S. Michael, Sioux City, Ia., Stark Bros., Louisiana, Mo.; G. L. Taber, Glen St. Mary, Fla.; C. A. Kennedy, Montrose, Ia.; John R. Barnes, West Cheshire, Conn.; Silas Wilson, Atlantic, Ia.; F. H. Chappel, Oregon, Wis.; F. N. 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In 20 splendid kinds, from pots outdoors; sure to succeed. 25c each; $2.50 per dozen.

Strong young plants of above unrivalled collection, $1 doz.; $8 per 100, free by mail or express.

C. PANICULATA, fine young plants 75c per doz.; $4.00 per 100. All will make first-class, salable stock by fall.

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Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

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DREER'S PRIZE CINERARIAS.

We have seen flowers of this strain measuring over three inches in diameter. Habit of plant perfect. A good range of color.

	½ Trade Pkt.	Trade Pkt.
DREER'S Prize Dwarf	$0.60	$1.00
" " Tall	.60	1.00

We also offer a choice grade which is fully equal to the best sent out by many

	Trade Pkt.
DREER'S Choice Dwarf	$0.50
" " Tall	.50

DREER'S SUPERB GIANT CYCLAMENS.

Our strain of these is extra fine. We have furnished some of the largest growers in the country with this stock and they report that they could ask for nothing better.

Dreer's Superb Giant.	Per 100 Seeds.	Per 1000 Seeds.
White	$0.75	$6 00
White with carmine eye	.75	6 00
Blood Red	.75	6 00
Rose	.75	6.00
Mixed	.60	5.00

We also offer an extra fine strain of the regular Cyclamen Persicum. This type is much easier to grow than the Giganteum, and is very satisfactory. Mixed colors Trade Pkt., 15c; oz., $1.25.

DREER'S SUPERB FRINGED PRIMULAS.

Our strain of these are now grown by florists all over the country, and always give entire satisfaction.

Our $1.00 trade packets contain from 500 to 1000 seeds each—according to variety.

	½ Trade Pkt.	Trade Pkt
Alba Magnifica, the finest white	$0 60	$1.00
Alba, the old reliable white	.60	1.00
Chiswick Red, the brightest of all	.60	1.00
Holborn Blue, an odd shade	.60	1.00
Kermesina Splendens, deep crimson	.60	1.00
Punctata Elegantissima, white spotted crimson	.60	1.00
Rosy Morn, delicate pink	.60	1.00
Rubra a good bright red	.60	1.00
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DREER'S MIXED, the finest mixture of Primula ever sent out, all colors	.60	1.00

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UP-TO-DATE

Show their friends some of our new Graduation Baskets, which are also strictly up-to-date.

You can sell them in large numbers by just showing them, for the quality and the prices are irresistible.

Some lovely patterns are just suited for outdoor roses.

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H. BAYERSDORFER & CO.

50-56 N. Fourth St.,

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XXX SEEDS.

CHINESE PRIMROSE.

Finest large flowering fringed, single and double, thirteen varieties, mixed, 500 seeds, $1.00; ½ pkt., 50c.

PRIMULA OBCONICA GRAND. HYBRIDA.

The very finest of the improved Hybrid Obconicas, large flowering and choice colors, truly grand 1000 seeds, 50c.

CINERARIA GRAND. NANA.

The finest large-flowering dwarf varieties, very showy, in choicest mixture; 1000 seeds, 50c.

PANSY, FINEST GIANTS.

The finest large-flowering varieties to be had, best colors and strong growing, mixed; 3500 seeds, $1.00

A packet of the grand new Forget-me-not "Triumph" added to every order.

THE HOME OF PRIMROSES.

JOHN F. RUPP, Shiremanstown, Pa.

10,000 EXCELLENT stocky 4-in. Latanias

ready for shifting, $20 per 100; $190 per 1000.

WALTER RETZER & CO. Successors to ALBERT FUCHS,

2045-59 Clarendon Avenue, CHICAGO.

ARECA LUTESCENS 6-in. pots (3 plants), very bushy, 24 in. @$1.00; $12.00 per doz.
8-in. pots (3 plants), very bushy, 26 to 30 in. @$2.00; $24.00 per doz.

KENTIA BELMOREANA 4-in. pots, 5 to 6 leaves, 15 to 18 in. $ 6.00 per doz.; $ 50.00 per 100
6-in. pots, 6 " 20 to 24 in. 18.00 per doz.; 150.00 per 100

KENTIA FORSTERIANA 4-in. pots, 4 to 5 " 15 to 18 in. 4.50 per doz.; 35.00 per 100
5-in. pots, 5 " 18 to 24 in. 9.00 per doz.; 75 00 per 100
6-in. pots, 6 " 28 to 30 in. 15.00 per doz.; $1.25 each.

Measurements from top of pot.

JOSEPH HEACOCK, Wyncote, Pa.

ACALYPHA SANDERI

2½-inch pots, $8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa.

PANSIES ..THE.. JENNINGS STRAIN

FINE, STOCKY PLANTS from cold frames, in bud and bloom, $1.50 per hundred; $13.00 per thousand.

SMALL PLANTS by mail 60 cts. per hundred. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
GROWER OF THE FINEST PANSIES.

Please mention the American Florist when writing.

VIOLETS

From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, $2.50 per 100, $20 per 1000.

GERANIUMS, plenty of S. A. Nutt and Bruanti at $6.00 per 100; also a few mixed at same rate; 3-in. at $3.50 per 100. Mme. Saleroi, 3-in., $3.50.

ALTERNANTHERA, from flats, $2 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

Please mention the American Florist when writing.

EXTRA FINE ....2-INCH Coleus

Golden Bedder and Verschaffellii, $1 50 per 100, $14.00 per 1000.

MIXED COLEUS, $1.35 per 100, $13.00 per 1000.
MIXED FUCHSIAS, $1.50 per 100.

R. I. HART, Hackettstown, N. J.

Please mention the American Florist when writing

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

On Monday afternoon, June 11, scores were recorded as follows:

Player	1st	2d	3d	Av
Marshall	226	150	142	173
Lang	177	162	166	168
J. Manda	154	167	144	155
O'Mara	166	152	112	143
Traendly		133	141	137
Donlan	161	109	124	131
Burns	111	158	118	129
Roehrs		132	119	126
Butterfield	101	104	119	108
Wallace		91	85	88

At Flatbush.

The session of June 7 was made memorable by "Mr. Riley, of whom they speak highly," whose score of 257 has been exceeded but once in the bowling club's history, and then by Eugene Dailledouze, who holds the record at 269. Other than this nothing very exciting happened. The full scores were as follows:

Player	1st	2d	3d	Av
Riley	155	267	149	193
E. Dailledouze	152	141	146	146
Zeller		123	164	144
Schmutz	160	120	148	142
Prosser	138	130	151	140
Butterfield	85	110	118	134
P. Dailledouze	123	123	129	125
H. Dailledouze	84	113	147	115
Donlan		102	121	111
Wocker	113	106	93	77

NEW WHATCOM, WASH.—Geo Gibbs, formerly at Orcas, has now located here, at 2525 H. street. Mr. Gibbs states that his crop of Dutch and other bulbs again gives promise of being a decided success.

WAYNESBORO, PA.—Henry Eichholz has secured eight acres of finely situated land for $2,500 and in early autumn will erect thereon a new range of strictly up-to-date glass, designing it to be the best plant in the Cumberland valley.

5000
Lady Campbell Violets.
Strong, Healthy Stock Plants,
$4.00 per 100. $35.00 per 1000.
H. A. JAHN, New Bedford, Mass.

NEW DAHLIAS
Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also High Grade Mixed Dahlias and Dahlias under Separate Colors.
W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,
WHOLESALE FLORIST.
Hardy Herbaceous Plants Only.
In any quantity, for the least money.
STAMFORD, - CONN.

PANSIES WORTH RAISING
SMALL PLANTS ALL SOLD. None left but flowering plants from field at $2.00 PER 100 and up.
C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

ROSES and CANNAS.
Am. Beauties, 3-inch, $6.00 per 100. Pres. Carnot, 3-inch, $6.00 per 100. Souv. de Wootton, 4-inch, $7.00 per 100.
Paul Bruant, deep red; Chas. Henderson; A. Ferrier, bronze; F. Vaughan; started plants, $6.00 per 100.
ROBERT F. TESSON, West Forest Park, St. Louis.

GERANIUMS, mixed, 2-inch..... Per 100, $2.50
HUMULUS var. (Jap. Hop), 2-in.... " 2.00
COBÆA scandens, 2-in..... " 2.00
SWEET ALYSSUM Little Gem, 2-in. " 2.00
SELAGINELLA Dent., strong, 2-in. " 1.50
E. I. RAWLINGS, QUAKERTOWN, PA.

NEW CROP
CROWL FERN CO
Northern Ferns
NOW READY, $1 00 per 1000. LAUREL FESTOONING, 4c to 6c per yard. Best goods always.
CROWL FERN CO., Millington, Mass.

CHRYSANTHEMUMS
Cullingsfordii, Clory of Pacific, Ivory, Minerva, Mrs. J. C. Whilldin, Mrs. Jerome Jones, Mrs. S. T. Murdock, Mme. F. Bergmann, Rose Owen, The Queen
And other varieties from 2½-in. pots, $2.00 per 100.
ASTER
SEMPLE and VICTORIA plants from seed bed, 25c per 100, $2.00 per 1000.
CASH WITH ORDER
R. VINCENT JR. & SON, White Marsh, Md.

For Fall Delivery.
FIELD GROWN ROSES, CLEMATIS,
Ornamental Shrubs, Twining Shrubs, Etc.
JACKSON & PERKINS CO., NEWARK, NEW YORK.
Our traveling representative, Mr. J. Austin Shaw is now in the vicinity of Philadelphia and we shall be pleased on request to have him call upon any prospective purchasers.

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For Your { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO., Morrisville, Pa.

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Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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PRICE LIST.

ROSES.

Beauties, long	per doz.,	$3.00—$4.00
" medium	"	1.50— 2.00
" short	"	1.00—
Brides and Maids	per 100,	4.00— 5.00
Meteor	"	5.00— 6.00
Perles	"	4.00—
Roses, seconds	"	3.00—

CARNATIONS.

Standard sorts, select	per 100,	$1.50—
Fancy. "	"	2.00— 3.00

MISCELLANEOUS.

Pæonies	per doz.,	$ .50— .75
Harrisii, $8.00 per 100,	"	1.25—
Callas	"	1.50—
Mignonette	"	.25—
Valley	per 100,	3.00— 4.00
Sweet Peas	"	.40— .60
Marguerites	"	.50—
Cornflower	"	.40—

DECORATIVE.

Asparagus	per string,	$ .50—
Galax, green and bronze, per 1000, $1.50	per 100,	.20
Ferns, $2.00 per 1000.	"	.25
Ferns, Maiden Hair, choice	"	.75—
Smilax	per dozen,	2.00—

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ALL STOCK BILLED AT MARKET RATES.

The QUESTION of QUALITY

At certain seasons of the year it is a matter of more or less difficulty to secure strictly high grade cut flowers. We handle the cuts of several of the largest growers of the best grades of American Beauty, Tea Roses and Carnations. If you need select stock now, or at any time, write, telephone or telegraph.

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WHOLESALE CUT FLOWERS.
32-34-36 Randolph Street.
CHICAGO.

PAEONIES

We have in storage enough Pæonies to enable us to meet every call for these most popular flowers for commencement exercises, enough, in fact, to fill all orders up to July 4, of best quality, and we guarantee them to ship anywhere and arrive in condition for use.

PRICE $4 to $5 per 100.

KENNICOTT BROS. CO.

42=44 East Randolph St.,
CHICAGO.

CUT FLOWER PRICE LIST.

	Per doz.
Beauties, long	$3.00 to $4.00
" medium	2.00 to 3.00
" short	.75 to 1.00
	Per 100.
Perle	3.00 to 4.00
Bride, Bridesmaid	3.00 to 5.00
Meteor	3.00 to 6.00
Roses, our sel., ass't.,	3.00
Carnations, extra select fancy	2.00
Fancy stock	1.25 to 1.75
Medium Grade	1.00 to 1.50

WE BEAT THE WORLD ON Wire Work

CUT FLOWER PRICE LIST.

	Per 100
Smilax	$15.00 to $18.00
Callas and Harrisii	10.00
Daisies	.50 to 1.00
Mignonette	1.00
Lily of the Valley	4.00
Alyssum	.25
Sweet Peas	.40 to .75
Paonies	4.00 to 5.00
Corn Flower	.40
Common Fern, 25c per 100, $2 pr. M.	

Special Prices

FOR TEN DAYS ONLY.

GERANIUMS—Choicest varieties, true to name. Bruanti, best scarlet bedder in quantity, S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, La Favorite, White Swan, Mrs. J. M. Garr, Dr. Jacobia, Frances Perkins, Mme. Bruant, Mme. Jaulin and others, $2 25 per 100; $20 00 per 1000, strong 2½-in.; strong 4-in., 5c. Rose Geraniums, strong 2¼-in., $2.00; strong 2-in., $1.50. Mme. Salleroi, strong 2-in. $1.50.

25,000 2½-inch ROSES—Brides, Meteors, Maids, Perles and Woottons, $3.00 per 100; $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first class.

Double Fringed PETUNIAS—Henderson's and Dreer's famous varieties, true to name, strong 2-in. $1.50.

COLEUS—Fancy sorts, separate colors, strong 2-in. $1.50.

AGERATUM, Princess Pauline—2-in. $1.50.

FUCHSIAS—Choicest varieties, 2-in. $1.50.

ALTERNANTHERA—Red and Yellow, strong 2-in. $1.50.

ALYSSUM and SALVIAS—Strong 2-in. $1 50.

GIANT COMET ASTERS—Pure white and mixed colors, 2-in. $1.50.

If you are in need of plants for stock, order *at once*, with the cash, please.

SOUTH SIDE FLORAL CO., Springfield, Ill.

GRAFTED ROSES,

American Beauty, Kaiserin, Golden Gate, **$10 per 100.**

OWN ROOTS, *FROM GRAFTED STOCK.*

Golden Gate, Kaiserin, Meteor, strong stock ready for 3½-in. pots, **$4 per 100, $35 per 1000.**

S. J. REUTER, Westerly, R. I.

SURPLUS STOCK

300 GRAFTED BRIDES from 4-in pots at 10c. Also

150 MAIDS, grafted, from 3-in. pots, same figure. Inquire of

JOY & SON, Nashville, Tenn.

POTTED VIOLET CUTTINGS.

Clear of all diseases, of the different varieties.

FARQUHAR	per 1000, $20.00
CAMPBELL	" 15.00
PRINCESS OF WALES	" 12.50
LADY HUME, field grown plants,	" 15.00

Money must accompany all orders.
No California for sale now.

GREEN SPRINGS FLORAL CO.,
Louisa County, Waldrop P. O., Va.

VEGETABLE PLANTS.

	Per 1000
CABBAGE, Flat Dutch and others	$1.00
CAULIFLOWER H. Early Snowball	1.50
PEPPERS Bullnose Ruby King	1.50
BRUSSELS Sprouts	1.00

All Fine, Large Plants, Ready to Plant Out.

J. C. SCHMIDT, - Bristol, Pa.

Chrysanthemums

Ivory, Bonnaffon, Mrs. Robinson, Merr Monarch, Bloodgood, from 2-in. pots $1 75 per 100 $15 per 1000. CASH. **H. DAWN & SON, Westfield, N. Y.**

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Young Beauty and Rose Plants

WE OFFER

The following stock, subject to previous sale. Plants are first class in every way.

		Per 100	Per 1000
3000	Am. Beauties, 2-in. pots,	$6 00	$50.00
4000	Meteors..... " "	3.00	25.00
3000	Bridesmaids... " "	3 00	25.00
4000	Brides ..... " "	3 00	25.00

All Orders will be Shipped from Hinsdale.

BASSETT & WASHBURN,

76 and 78 Wabash Ave., **CHICAGO, ILL.** Greenhouses, Hinsdale, Ill.

BRIDESMAID ROSE PLANTS!

I have still left a few thousand in 2-inch pots in splendid condition.

STEPHEN MORTENSEN, (Near Phila.) **SOUTHAMPTON, PENNA.**

ROSE PLANTS

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METEOR, BRIDESMAID, BRIDE, LA FRANCE	2½-in. pots,	$3 00	$25.00
	3 " "	4 00	35.00

AMERICAN BEAUTIES, lifted from benches, $2.50 per 100, $20.00 per 1000.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

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ROOTED CUTTINGS.

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Gov. Griggs	$2.00	$15.00
Leslie Paul	2.00	15.00
Gold Nuggel	1.00	7.50
McGowan	.75	5.00
Nivea	.75	5.00

ROSE PLANTS

	Per 100
Am. Beauty, 3-in. pots	$7.00
" 2½-in. pots	5.00

Bride, Bridesmaid, Perle, Meteor, Golden Gate, 3-in. pots, $4 per 100, $35 per 1000; 2½-in. pots, $3 per 100, $25 per 1000.

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Rose Plants

FIRST-CLASS STOCK.

	Per 100
American Beauties, 2½-in.	$5.00
American Beauties, 3-in.	7 00
Bridesmaids, 3-in.	4.00
Brides, 3-in	4 00

ALLEN & OCKERLUND,

114 Winona Ave. CHICAGO, ILL.

ROSES

Grown for our own planting, and we guarantee them to be STRICTLY A No. 1 in every particular. We have surplus of 2000 Bridesmaids, 500 Beauties, 300 Meteors, 250 Perles, 150 Kaiserins, all in 3-inch, at $3.50 per 100; Beauties, $4.50 per 100.

G. VAN BOCHOVE & BRO.,
KALAMAZOO, MICH.

KAISERIN and CARNOT Rose Plants

$2.50 PER HUNDRED.

Out of 2½-in. Pots. Fine Stock.

COLE BROS., Peoria, Ill.

Please mention the American Florist when writing.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. **$3 00 a 100, $25.00 a 1000.**

J. B. HEISS,

The Exotic Nurseries. DAYTON, O.

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TELL THEM WHERE YOU SAW THE AD.

1500 KAISERINS
1500 LA FRANCE

2½-inch Pots,
At Special Prices.

2000 BRIDESMAIDS, 3-in. pots.
5000 " 2½ "
1500 " 2 "
500 GOLDEN GATE, 2½ "
500 METEORS, 2½ "
1500 PERLES, 3 "
3000 " 2½ "

2000 Fine Bedding GERANIUMS,
Pink, Red and Salmon.

3000 Yellow Queen, Verschaffeltii and Golden Bedder COLEUS.

1000 2-inch SMILAX.

23 Houses, 60,000 Feet of Glass.

THIS IS ALL A1 STOCK.

We believe in shifting young roses often. All stock offered in 2¼-inch pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established.

We guarantee satisfaction. Send $1 00 for samples of what you want; this way you get enough to tell what you are buying. Money back if you are not pleased. Write

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ROSE PLANTS
Good, Healthy Stock.

BRIDESMAIDS, KAISERINS — 3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES — 2½-in., $3 per 100, $25 per 1000.

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Clean, Healthy Plants.

From 2-in. pots, $3 per 100, $25 per 1000; 500 at 1000 rate. Golden Gate, Perle, Bride and Bridesmaid, La France, Wootton, etc.
Geranium, strong plants from 3-in. pots assorted, $3 per 100. **Rose Geranium, Heliotrope** and **Moonvine,** $3 per 100
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50 large 4-inch **Geraniums,** Double Gen. Grant, in bud and bloom, 8c each. 1000 large transplanted **Tomato Plants,** Beauty, 25c per 100, $2.00 per 1000. **Pepper Plants** Ruby King, 20c per 100, $1.50 per 1000. **Asters,** Semple's, White, Shell Pink, Lavender, separate colors, 25c per 100, $2 per 1000.
CASH PLEASE.
MRS. GRISWOLD, Worthington, O.

FORCING ROSES

GILT-EDGED STOCK, GROWN FROM SELECT WOOD AND WILL SATISFY THE MOST CRITICAL BUYER.

3-inch Pots.	Per 100	Per 1000
AM. BEAUTY	$9.00	$80.00
PERLE	6.00	50.00
BRIDESMAID	6.00	50.00
BRIDE	6.00	50.00
METEOR	6 00	50.00
KAISERIN A. VICTORIA	6.00	50.00
LIBERTY	40.00	

This stock is now in extra fine growing condition, ready for immediate planting. TERMS CASH WITH ORDER or satisfactory reference.

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AT $25 PER THOUSAND.

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ROSE PLANTS

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METEOR	"	3.00	25 00
BRIDE	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
PERLE	"	3.50	30.00
AMERICAN BEAUTY, lifted from benches			35.00

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READY FOR IMMEDIATE PLANTING.

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J. L. DILLON, BLOOMSBURG, PA.

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on JUNE 16, 10 a. m. to 5 p. m.

ROSES, from 3-inch pots, nice, healthy plants, Bride, Bridesmaid, LaFrance, Meteor, Perle, Kaiserin, Am. Beauty and Hermosa.
SOLANUMS, from 2½-in. pots. HYDRANGEAS, from 2½-in. pots. BEGONIAS, PALMS, FERNS, DRACÆNAS, from 3-in. pots. Good stock.
A lot of bedding plants—FEVERFEW, COLEUS, GERANIUMS, S. SAGE, D. PETUNIAS, VERBENAS, LOBELIAS, FUCHSIAS, and a lot of miscellaneous plants.

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GERANIUMS. S. A. Nutt and others; 2½-in., $2.50 per 100; 3-in., $4.00 per 100; 4-in., $5.00 per 100.
ASPARAGUS Plumosus seedlings, $3.00 per 100.
" **Sprengerii** seedlings, $2.50 per 100.
NEP. CORDATA COMPACTA, 3-in., $5.00 per 100; from bench, fine, $25.00 per 100.

CASH PLEASE. **Carl Hagenburger,** W. Mentor Ohio.

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" 4-inch pots............ 2 00 "
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Large flowering Canna roots..........$1.00 per 100
Send for samples. Cash with the order.

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LATE.	Per 100	LATE.	Per 100
Mrs. J. Jones	$4 00	Nagoya	6.00
Liberty	4.00	Xeno	6.00
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Autumn Glory	3.00	Harry Balsley	3 00
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(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY, double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

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2¼ " Vinca Variegata Vines	2.50
Plants " " from flats	1.50

Rooted cuttings of Coleus, Crimson Verschaffeltii, Golden Queen and Mixed, 75c per 100.

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From 2½-in. pots.................per 100, $2.50
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10,000	Coleus, named, our selection	2¼ in.	$1.50
5,000	Geraniums, named and mxd.	2¼ "	2.00
500	Maidenhair Fern	2½ "	4.00
3,000	Iresines, red and yellow	2¼ "	1.50
1,000	Alternanthera, large-leaved	2½ "	1 50
1,000	Red Vernon	2¼ "	1.50
1,000	Erfordi	2¼ "	1.50
2,000	Begonias, mixed	2¼ "	1.50
500	Lygodium Scandens, climbing fern	2½ "	4.00
1,000	Fuchsias, mixed	2¼ "	1.50
300	Asparagus plumosus	7 "	20.00

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White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready; 15c per 100, $1.00 per 1000, $8.50 per 10,000. (Large enough now for transplanting at 75c per 1000).

TOMATO
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Any of the above plants by mail, add 10c per 100.

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Fine, strong Seedlings from Flats, 50c per 100, $3.00 per 1000.

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THE SOCIAL ACTIVITIES OF JUNE MAKE TRADE FAIR.—PLENTY OF STOCK BUT LITTLE THAT IS GOOD.—A DIFFERENCE IN THE MORNING.—NOTES.

Trade has been fair for June, the month of the bride and the sweet girl graduate. There is an abundance of stock but it is of only ordinary quality, although there are still some very good carnations to be had. The indoor crop of sweet peas has practically disappeared with the last few days of warm weather, but outdoor peas have made their appearance, so that there is little danger of any failure in supply. There is every indication of the approach of that period of lassitude which generally arrives at the close of the commencement season.

However, there are some wakeful persons in our ranks. Commission-man Kasting's morning hour was 9:30 but Park Commissioner Kasting and Benedict Kasting arrive at 8. It is a mooted question as to whether it is the official or household duties which cause the "difference in the morning."

Horticultural features are fast taking shape at the Pan-American Exposition and Messrs. Ulrich and Scott are very busy. The latter has been in the west for a few days.

Recent visitors were E. C. Ludwig, Allegheny, Pa., and Max Beattus, Dayton, O. W. A.

DES MOINES, Ia.—Wm. G. Newell, foreman for W. L. Morris has rented Fred. Gadsby's establishment, Oakdale Greenhouses, at Eau Clair, Wis., and will shortly assume the management.

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Kift's patent rubber capped **Flower Tubes,** ½-in. diameter, per 100, $3.50.
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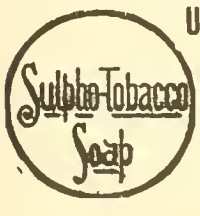

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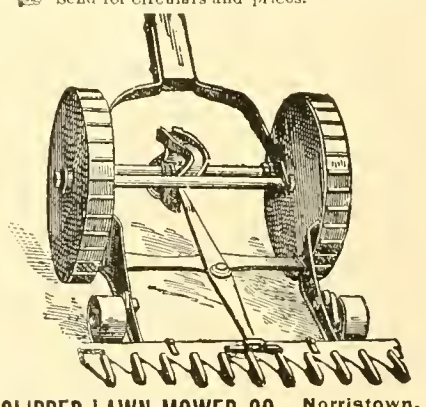

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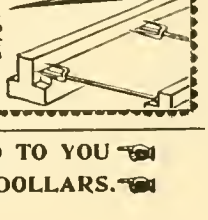

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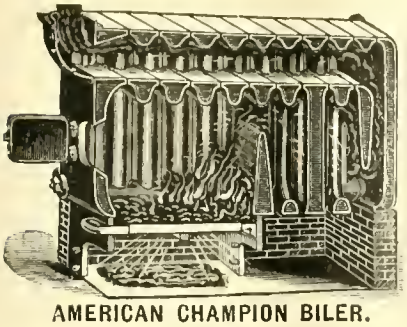

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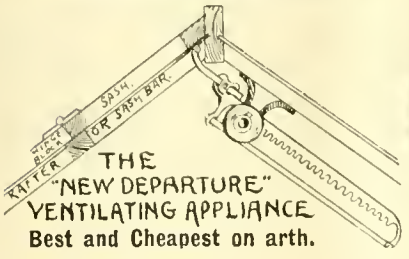

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MR. EDITUR:

i send u mi lates fotograf jist to let u se how i luk disgized like a gintelman. I borrered the stove pipe frum the mayer uv our vilage, an i am so tikled with how i luk in it that I kant be happy if i dont hav one tew keep, i find i kin git a putty gud one at our pawn shop fur $3.00 an 65 cts, an if i kin sel a lot uv mi **KOLE SAVIN BILERS** an **NU DEPARTURE VENTILATIN KONTRAPSHINS** an **EVERLASTIN HINGES** im a goin to bi it tew ware to the Posey Kounty fare nex fal with semanthe jane an the kids.

Mi name wil then be, Hon. J. D. Carmody Esqr frum Evansville Ind whitch is klose tu Posey kounty.

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SPRING BUSINESS FAIRLY GOOD.—PLANT TRADE ACTIVE.— PRICES ABOUT AS BEFORE.—CUT FLOWERS POOR.—CARNATIONS HOLD UP IN PRICE.—OTHER MATTERS.

Early June business has been fairly good all along the line. Those who do a business in bedding stock report it to have been brisk, perhaps slightly better than last year. Prices have been about the same as in former years. Cut flowers are feeling the effect of summer weather and the quality of the stock shows it. Roses and carnations have deteriorated in size, although the latter have held up wonderfully in price this year, any fairly good stock selling even now at about $1.50 per hundred.

Members of the Cleveland Florists' Club who desire to air their views on the subject of holding a picnic this summer, would do well to attend the meeting of June 25, as the matter will be taken up at that time and probably settled definitely, one way or the other.

The bowling contingent is going to do or die this summer and to that end has forwarded the necessary entrance fee; so look out, you other fellows. A.

WILKESBARRE, PA.—Ira G. Marvin has opened a new establishment near Oaklawn cemetery.

PAINESVILLE, O.—Storrs & Harrison are putting in a switch connecting their establishment with the L. S. & M. S. railroad. J. J. and H. B. Harrison, returning from California this week, stopped off at Chicago to take in the seedsmen's and nurserymen's conventions.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

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J. M. Gasser's

PATENT ZINC JOINTS

FOR

Butting Glass Without Laps

Makes it air and water tight. Saves fuel. No breakage from frost or medium sized hail.

Manufactured by J. M. GASSER,
Wholesale and Retail Florist,
101 Euclid Ave., - CLEVELAND, O.

Had you any trouble with the MARCH WIND coming through crack or crevice in the Greenhouse?

TWEMLOW'S

Old English Glazing Putty

SEMI-LIQUID OR PLASTIC

Will stop the trouble. Put up in 16 pound cans; 50 and 80 pound buckets.

Hammond's Greenhouse White, A SUPERB PAINT, with twenty years' record to back it up, for *wear* and *tear* and *looks* on either wood or iron Greenhouses. It stays where you put it. In 5, 10, 15, 20, 25, or 30 Gallons.

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, New York.

M. RICE & CO.,

Importers and Manufacturers of Florists' Supplies.

918 FILBERT STREET, PHILADELPHIA, PA.

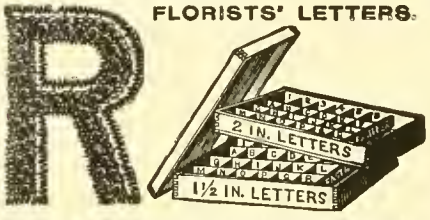
Please Mention American Florist.

Vail's New Plant Stake Cut out of well-seasoned lumber, straight grained, ¼ inch square; a decided improvement over the cane or bamboo. Cut any length desired; always ready for use; 3 ft. at $1.50 per 1000, 3½ ft. at $2.00 per 1000; 4 ft. at $2.50 per 1000; 4½ ft. at $3.00 per 1000; F. O. B. Indianapolis. Remember the freight is cheaper than on cane stakes.

THE VAIL SEED CO., Indianapolis, Indiana.

Boston Florist Letter Co.

MANUFACTURERS OF FLORISTS' LETTERS.



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Manufacturers of

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2 AND 4 DOMINICK STREET,
New York.

Galvanized Wire Plant Stakes.

USED ONE YEAR.

Feet.	Per 100	Per 1000	Feet.	Per 100	Per 1000
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3	.70	6.50	Whole lot for $17.00.		

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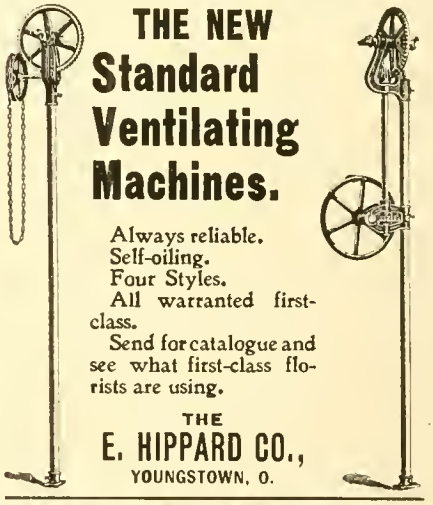

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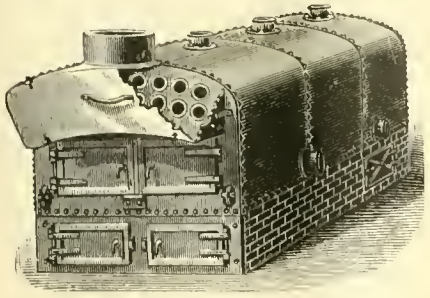

Boilers made of the best of material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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Learn These Rules and Buy a Nice

FLORISTS' RULES FOR BOWLING.

Keep your ball well toward the center,
Rather slightly to the right,
Over twixt the first and second,
Ever keep this well in sight.
Send it down with force and judgment,
Curve it slightly if you can;
Have your mind set on the game, and
Each man strive to beat his man.
Lay aside your jokes and stories,
Lay aside all kinds of cares;

Banish all your thoughts of flowers,
Only think of "strikes and spares."
In shirt sleeves and bowling slippers,
Live a life of youth and mirth,
Ending then the game, you'll vouchsafe
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	Price per crate			Price per crate
1500 2-in. pots in crate,	$4.88	120	7-in. pots in crate,	$4.20
1500 2½ " "	5.25	60	8 " "	3.00
1500 2½ " "	6.00	48	9 " "	3.60
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PACKAGES EXTRA.

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WINDSOR LOCKS, CONN.—H. A. Pinney has filed a voluntary petition in bankruptcy; liabilities, $1200; assets, $250.

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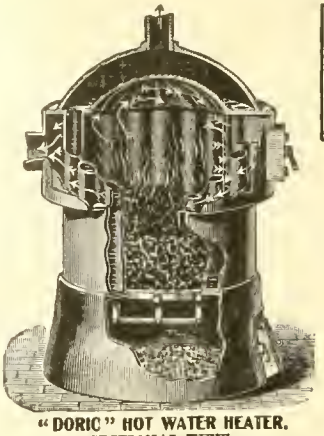

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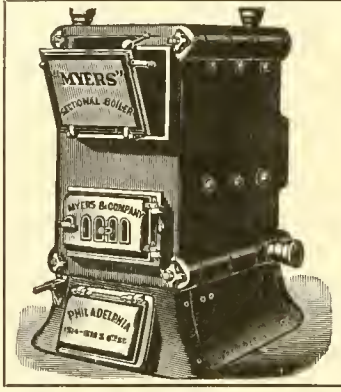

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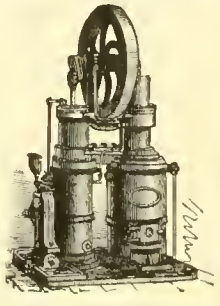

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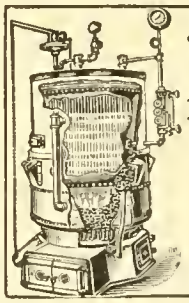

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SEND ADVT. NOW. **THE AMERICAN FLORIST.**

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XV. **CHICAGO AND NEW YORK, JUNE 23, 1900.** **No. 629.**

THE AMERICAN FLORIST

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324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, $1.00 a year. To Europe, $2.00.

Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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The Hub Revisited.

Six years are a short span, yet many changes have taken place since my last visit to the Hub. The most bewildering change of all is the subway through the heart of the city. It changes one's previous notions of things so that you can hardly believe you are in the same good old town, and you have to grope along blindly for a day or two until your bump of locality gets into working order once more.

The next big change is the Southern Terminal, a gigantic structure, so expansive inside that you have to look in three directions to see it all. Sky scrapers on every hand also tend to alter the appearance of old streets, and the many new thoroughfares opened all over the city give a different aspect to familiar localities, which keeps you guessing as to where you are at.

I noticed many new flower shops, especially away from the time honored radius of half a mile from "Brimstone Corner," and in their style or "get up" as well as size they certainly do credit to this metropolitan city. In the old district some have disappeared and new ones have taken their places but there are still enough of the "ancient and honorables" left to give a returned prodigal a cordial welcome.

Good, old Horticultural Hall revives cheerful memories, as it looms up; but the warmth is as nothing to the hearty "where away!" that greets you at Sutherland's, where business, science, literature, sociability and "the crowd" have held forth with profit, honor and glory for the last thousand and fourteen years. Alas! to think that in a few short months this landmark, this hallowed spot of many memories, will be no more! With the passing away of the old Horticultural Hall this passes away, too, and it will be interesting to note to what center the men of light and learning will then gravitate. I suppose it will all depend on Macgregor. Wherever Macgregor sits that's the head of the table, and I needn't identify the Macgregor, for you all know who the Macgregor of this case is.

P. Welch is as little and big as ever. He's no bigger himself but his brothers and the business have increased wonderfully, and no wonder, for there are few more engaging personalities than the Welchs' and none more enterprising and progressive. Their flower market, with its model system, has been a great success and that notwithstanding the competition of the trust, which was to kill off all the commission men a dozen years ago.

Of course I went to McCarthy's—couldn't stay away. That lively magnet is irresistible and, on auction days especially all the world and his wife throng about him and listen to his words of wisdom as if they were golden notes, so precious that to miss one would be a terrible thing. I fancied that "Nick" had added gravity to his years and avoirdupois. His style was more subdued than when last I heard him on the rostrum, but in finish and effectiveness he is better than ever. No actor that I ever saw could approach "Nick" in that look of solemn, childlike reproachfulness with which he favors some daring individual who questions the absolute truthfulness of his descriptions. He is shocked at the bare idea—stabbed to the heart! And then rage succeeds, and the torrent of fiery sarcasm that greets the critic withers that creature into a crisp in the twinkling of an eye. Then, in less time than I have taken to tell it, the auctioneer is calm again and bids are coming for the next lot. Truly, an artist of the first water is "N. F."

Among the growers those most in evidence at present seem to be the three graces (or scapegraces, as their wives would make you believe) Cox, Ewell and Mathison. To meet these in an after-business session at the Parker House, with M. Norton to stir them up and keep the ball a-rolling, is an experience long to be remembered. The sparks fly with a vengeance and it is a toss up who is the doughtiest. For strength give me Mathison, he is Sir William Wallace for volubility; Ewell, a Don Quixote scattering the enemy with his whirling flail; for adroitness Cox, nimble as Robin Hood.

Warren was at the banquet given in honor of Mr. Harris on Saturday, but through some dido of Judge Hoitt, the toast master, was not allowed to make the speech with which he had been suffering for a week previous. We were all disappointed, having looked forward to this as one of the events of the evening. That this should have been one of the "contingencies which did not eventuate," to speak in the Bostonian or Ewellian style, was a matter of deep regret to all.

Speaking of the banquet, I must say that although I have attended some memorable affairs of this kind in the past fifteen years, and taken part in arranging for not a few, there was something in the conception and carrying out of this one which struck me as placing it a

bit above anything I have heretofore seen. The man and the occasion were above the average and the people of Boston rose to the situation in a way that distinctly calls for the admiration of their compeers everywhere. Representative men were there from long distances, the speeches were broad and dignified and showed an appreciation of the trend of events in the past fifty years and a just and hopeful summing up of the possibilities of the next fifty, that was most grateful to all students with a sincere desire for the welfare of horticulture in this country. After it was all over I heard many of the participants compliment Messrs. Stewart, Edgar and Mathison, the committee in charge, for the perfection with which everything had been arranged and carried out. Mr. Mathison disclaimed worthiness of compliment and said that Mr. Stewart was the man who should be crowned with the laurel, as he was the creative spirit behind the affair, of which they were all justly proud. Your regular correspondent has given you a complete account of of the banquet but I add my mite as I fancy it will be interesting to Bostonians to see themselves as others see them.

I thought I knew all about the outs and ins of the Afrikander question but after listening to the eloquence of Sam Neil for one side and the equally persuasive and convincing clinchers of Lawrence Cotter for the other, I am compelled to admit that they are both right and that I know nothing about it except that it seems to warm people under the collar even worse than 16 to 1 did four years ago. Mr. Cotter found Carnot one of his most profitable crops last season. It did well with him all summer and was profitable as late as the middle of January. He believes in Meteor and has a house of 1100 looking in excellent shape.

The seed trade here seems to be in a healthy condition, all the houses reporting a brisk spring trade and better general conditions. There were at least three of the leading houses represented at the Harris banquet, a sign that they were unusually well pleased with things and one that I thought was very hopeful.

Jim Rough prospers. So do the pigeons and the trotters. I am invited to drive with him some afternoon before I go back to Philadelphia. It would be great, of course, but yet I hesitate. Did you ever take the trip to Chinatown or shoot the shutes or do the Montreal toboggan? Very exciting but nothing to crossing the Charles river bridge behind Jim Rough's Pegasus. G. C. WATSON.

L. E. Holden.

The newly elected president of the American Park and Outdoor Art Association is a native of Maine who traces his ancestry back to the Mayflower, on his mother's side, and to the year 1634, when his paternal grandparent came from England. He prepared for college under Dr. N. T. True, in Bethel, Oxford county, in the state of Maine, and entered Waterville College, now Colby University, in 1854, remaining there two years, and completed his course at the University of Michigan, where he graduated in 1858. That same year he was elected professor of rhetoric and English literature in Kalamazoo College. Three years later he became superintendent of schools of Tiffin, O. During these years he studied law and in 1861 was admitted to the bar in Ohio, but he never practiced. In 1861 Mr. Holden removed to Cleveland and for nine years he was president of the school board in East Cleveland. For more than thirty years he has been interested in mines in the Lake Superior region and in the west, but for fifteen years he has given most of his time to editing and publishing the Cleveland *Plain Dealer*. Mr. Holden has always taken a great interest in parks and outdoor art, and has written extensively on the beautifying of cities, the creation and preservation of parks, and for several years he was a member of the board of park commissioners of Cleveland. For the past six months he has travelled in Egypt, Greece, Italy, Germany, France and England and made a special study of parks. In accepting the presidency of American Park and Outdoor Art Association Mr. Holden pledges himself to do all in his power to advance its interests and to this end he proposes to write a series of articles on outdoor art, employing notes gathered on his European trip, for early publication in the *Plain Dealer*.

L. E. HOLDEN.

CARNATIONS.

SUMMER METHODS.

With most varieties of carnations the production of cut blooms under glass has practically ceased by July 1, and it would, perhaps, be better if none were offered, as the character of the summer stock has a strong tendency to make buyers regard the carnation as a "cheap" flower. If both growers and sellers would unite in withholding the poor stock from the public the rapidity of the growth of the flower in popular favor would be materially increased.

Speaking of the carnation as a cut flower, I mean when it is used without other flowers. So long as bouquets for cemeteries are in demand and for all manner of design work the carnation is a very useful summer flower and can be made a profitable one. Properly grown summer carnations may eventually be almost equal to winter products, but a careful look over the consignments at the commission houses and in the florists' stores just now would indicate that the varieties in this class are few and far between. In fact, it may be better not to try to grow carnations up to the proper standard for cut flowers in the summer for there is monotony in anything offered every day of the year.

In most cases it will pay carnation growers to pull out the plants, clean up the houses and start the paint brushes going soon after Memorial day. A month of hot sunshine in a clean house is worth more than the few dollars one could get out of second-class stock for the same period. There is no fungicide or insecticide which will have as good an effect on a house as to thoroughly cleanse it, in every nook and corner, and then let the sun have full play for a few weeks, following this with a liberal application of whitewash to the rough surfaces. A fresh coat of paint coupled with this treatment will make your house practically as good as new.

We all know how much better results are usually obtained from new houses and some may look with envy on the man who is putting up one or more new houses 25x300. Do not let this cause you to build a new house or two for yourself unless you have the money to pay for them. A house fifteen years old, brightened up with paint and sweetened with a good sun bath can be made to produce as good carnations as many of the new and improved houses. It is far better to have old houses and no debts than to have new houses and a host of creditors at your back, although those who can have both the new houses and the receipted bills will find them a good investment.

While it is no part of carnation culture, my experience leads me to believe that it behooves carnation growers to be more careful in the contraction of debts. Credit is, of course, almost a necessity in our business, but this only makes it the more necessary to carefully guard one's credit. This can only be done by regulating our purchases so that we can meet all our obligations at least twice a year, June 1 and January 1.

There is no detail of our business which requires more careful revision and attention than does the one of extending credits and collection of bills. The loss of accounts among growers comes not from indifference nor dishonesty but purely from a lack of knowledge of business methods and their application. Here is where our national society should take a hand. Secretary Stewart has told us very ably that the formation of the S. A. F. has done much toward this end, and so it has, but it might go a step farther and supply us with a simple system of keeping accounts, one that would apply to large and small places, and a set of books for recording them.

We should also adopt some uniform method of collection, for if we all had the same method and the same time for the settlement of accounts both purchaser and seller could arrange their financial matters with some degree of certainty. As matters now stand a creditor never knows when he is to get his money. Some one with experience in financial matters should work out this problem. It seems to me that if all accounts that are overdue and to which no reply can be obtained were promptly collected by legal process, with the costs of suit added, that the delinquents would soon be compelled to adopt better methods. If it were not that the S. A. F. is expected to do so much work for its paltry $3 per annum, it might take up the matter of the collection of accounts, greatly to the benefit of the trade.

All of this is slightly foreign to my

subject, but is brought up by the thought that so many of us seem to allow our summer expense account to run so high that it takes all of our next winter's product to pay the bills contracted, so that a very little accident to stock leaves a few of us behind and in a position from which it is difficult to escape.

ALBERT M. HERR.

Sweet Pea Notes.

A good grass year ought to be a good sweet pea year. The season has been cool and the rain well distributed. Sweet peas are looking well at this writing. With me cut worms have done as much damage as in any three years put together previously. I should judge that the sale of sweet pea seed this year had held well up to the mark of recent years. I do not know of any flower on which people rally from their disappointments so much as on this flower. In forecasting the season of garden annuals the prevailing voice is, "Sweet peas we must have."

The list of novelties for 1900 is as follows: Eckford puts out six, Duchess of Westminster, a delicate apricot with flushed pink standard, wings rose pink; Countess Lathom, pink self; Mrs. Fitzgerald, soft cream, flushed and edged delicate rose; Fascination, delicate magenta mauve flushed mauve, wings deep mauve; Lord Kenyon, rose magenta flushed crimson, deeper towards edge; Calypso, bright magenta flushed mauve, wings delicate mauve.

Ernst Benary, of Erfurt, writes me that he introduces this year "a remarkably early flowering white, to be called Mont Blanc." He says it has in his grounds proved to be five days earlier than Earliest Blanche Ferry, but in other respects it corresponds to Blanche Burpee. It will be most interesting to test its forcing qualities.

The list of colors in dwarf form has been increased this year by the addition of lavender, scarlet and dark maroon. Admiration is a good straight American introduction. As I had it last year, it at times seemed almost like a self pink, but it has a delicate lavender cast. Salopian is the grandest red to date, and now in the improved strain called Sunproof it must be a very high grade sort. There will be a variety of opinions about the Snapdragon pea, but it is just what the name calls for.

The bush pea, Monarch, is the second pioneer of the new race. I went over 100 trials of sweet peas at Fordhook last autumn, and when we struck the spade under one of the bush variety my heart leaped, for it turned up the most complete fibrous root I had seen for years. It was a perfect sweet pea root, a thing I had not seen for certainly five years.

I find one important gain from the difficulty of late in growing sweet peas, that it has broken up the blind way of following stereotyped rules, and is giving us a wider range of practical experiment. This is good, and augurs a less hysterical way of looking for the cause of failure in any one direction. There will be a good percentage of success every year where conditions are favorable, and there will be a considerable body of steadfast amateurs who will work on through thick and thin, reaping the reward of patient and intelligent methods. Florists have no trouble with them under glass, and will select a few standard sorts for outdoor planting, with reasonable success. And for the general public the flower will have its periodic revivals. No flower can long sustain an abnormal craze, but must, if overdone, follow the law of reaction, and will of course in time renew itself for another run; and in the meantime will give reasonable results all the way along to intelligent and brave culture. The popular qualities of this flower will always hold it well to the front.

But little attention has yet been drawn in this country to the bi-centennial celebration of the introduction of sweet peas into Great Britian, which takes place at Crystal Palace, in London, July 20 and 21. The prospectus sent out some time ago shows a very promising patronage of prominent horticulturists in England. The writer hopes now to be present and read the paper on "Sweet Peas in America" which he was invited to prepare. But while he appreciates the honor of a place on the programme he will certainly feel lonesome unless buttressed by some representative Americans.

W. T. HUTCHINS.

EXTERIOR OF J. S. SIMMONS' STORE, TORONTO, ONT.

PUEBLO, COL.—G. Fleischer has sold out his business to Charles E. Paris and leaves shortly for Germany, accompanied by his family.

London.

EXHIBITION OF THE ROYAL HORTICULTURAL SOCIETY.—MANY NOVELTIES ARE NOTICED.—NEW VARIETIES WORTHY OF WIDE DISTRIBUTION. — PELARGONIUMS WHICH ATTRACT FROM A DISTANCE.—NEW MALMAISON CARNATIONS.—AMERICAN SORTS TO BE TRIED IN ENGLAND.—FERNS RECEIVE LITTLE ATTENTION.—MARKET GROWERS WELL PLEASED.—BURPEE'S TROPÆOLUM. — SESSION OF KEWITES.—PLANTS WORTH WATCHING.

The Royal Horticultural Society's fortnightly meeting on June 5, although coming a day after a general holiday, brought out a most interesting display, several large groups being shown and a number of novelties submitted for certificate. The president showed Rhododendron Pink Pearl in grand condition and gained a first-class certificate, which is quite an unusual honor for a garden variety and which had previously been denied this sort, an award of merit being the highest distinction now given to varieties unless they are new hybrids or possess some remarkable distinction. Some grand things in new roses were shown by Wm. Paul & Sons, the most notable

being Tennyson, a hybrid tea with large, deep, well formed flowers, of a delicate shade of pink. It was given an award of merit and will, I think, become a market rose of the future. Dobbie & Co. staged a fine collection of sweet peas in which were some very distinct varieties. Carnation Lord Roberts, a fine yellow, was shown by R. H. Bath, of Wisbech. The most attractive group in the hall was from Veitch & Sons, of Chelsea, and consisted of Eremurus Himilaicus and E. robustus, with an undergrowth of Primula Japonica. The immense spikes of eremurus were the admiration of all, and the gold medal awarded was well deserved. The same firm exhibited a grand bank of gloxinias and some fine hybrids of streptocarpus, the strain receiving an award of merit. Orchids were, as usual, well to the front, several interesting groups being shown. H. J. Jones exhibited a large collection of tuberous rooted begonias, some of the double varieties being very fine. Of the new ones Gladys Hemsley was selected for an award of merit. Cuthbert & Sons had a large group of spiræas, but few were distinct enough to be worthy of note. W. E. Gladstone was the most distinct and may be recommended. Sutton & Son, of Reading, made a most remarkable exhibit of cucumbers growing in pots and potatoes growing in boxes, one side of the boxes having been removed and glass substituted. Laxton Brothers contributed a fine lot of strawberries, some in pots and some gathered fruits. Kelway & Co. had some fine varieties of pæonies and Lord Roberts, very large petals, white slightly suffused with pink at base, gained an award of merit. Lady Curzon, full double white with small center florets, obtained the same honor.

Zonal Pelargonium Fire Dragon is a sport from the well known F. V. Raspail and is remarkable for the narrow, slightly curled petals, the cactus dahlia in minature. The stock has certainly not been grown under the most favorable conditions, yet, with weak growth, showing it had been under too much shading, it was flowering profusely, and it will certainly become a popular plant of the future. Mr. Hill, of Indiana, was much taken with it and has secured some of the stock. Ivy-leaved Pelargonium Mrs. H. J. Jones is even a greater novelty than the above. It is a sport from Souvenir de Charles Turner, from which it differs only in having beautifully fimbriated petals. H. J. Jones, who is the fortunate possessor of this novelty, considers it one of the most distinct and interesting sports he has found, and values it very highly. In sports there is often a tendency to reversion, but this after being well tested has proved constant and flowers now open are very bright. The late J. Fraser, who was one of our best judges and keenest observers, once told me that he did not care for such things as had to have the points explained before the improvement could be seen, but liked to be able to see at a glance or to be attracted from a distance, and this is just what both of the above will do.

Herbert Cutbush is a very fine scarlet carnation with large, well formed flowers and good branching habit. Many new varieties have been added to the list of the Malmaison type, the most recent being H. J. Jones, deep claret crimson, with large, full flowers richly clove-scented. Though not so well suited for cut flower trade this class finds many admirers and quite a number of orders have been booked for the above. While on carnations I may mention that next season I hope to have an opportunity to try some of the American varieties and should be glad to have a list of about a dozen of the most approved sorts. If any of your correspondents will kindly give a list, in the AMERICAN FLORIST, of those most likely to suit our English markets I should feel obliged. Among our best winter flowering varieties which are grown extensively for market are Miss Joliffe, flesh pink; Madame Therese Franco, or Mrs. Leopold de Rothschild, a little deeper in color and with fringed petals; W. Robinson, scarlet; Winter Cheer, smaller but very free and bright in color; Countess of Warwick, deep claret crimson, not so well known, but certainly the best of this color; Uriah Pike is similar in color, and still remains a favorite with many growers.

It is remarkable that, although ferns are becoming more and more in demand for decorations, collections receive little attention, and, unless we get a revival of interest in them, there is a danger of many choice varieties being lost. There has been an absence of novelties for some time, and those shown last year were not to be seen at the Temple show this season. I refer to Polypodium Mayi and Pteris Summersi. The latter is a beautiful, crested sort but it has as yet proved quite barren; in fact, as far as I have seen, it is quite destitute of any semblance of fertility. Speaking of fertility in ferns, I am reminded of the beautiful Adiantum capillus veneris imbricatum. At a spring meeting of the Royal Horticultural Society I saw some specimens with perfect fertile fronds, the first I have encountered, although I have had it under observation since 1886.

Growers for the market should have little cause to complain. Plant trade may be chiefly confined to bedding stock and other spring flowering plants, but everything seems on the move and you have to be up early to get all you want, unless your needs are very limited. Palms and other decorative plants do not move so freely and cut flowers are over-plentiful. It is marvelous what a quantity of stock is shifted in a short space of time in such a congested district. It seems a great pity that more space can not be given for such an important market as Covent Garden. Buyers experience considerable inconvenience and stock often suffers from being moved through such a crowded area, for, though it is becoming more and more the custom for the large buyers to get deliveries direct from the growers, the market trade seems on the increase.

Burpee's golden yellow Tropæolum Sunlight is by far the finest yellow tropæolum I have yet seen; it will be a largely grown market plant in the near future. I find it comes true to color from seed, but some plants do not run, and if propagated from cuttings it will come into flower earlier, making a good companion for our crimson variety, T. Lobbianum, which has long been a profitable market plant. The best stock is obtained from cuttings, but by raising seedlings annually and making a careful selection some improvement may be made, besides keeping up a clean, healthy stock.

The latest meeting of the Kew guild, which has become an annual affair, brought a large gathering of old Kewites together, and should prove the forerunner of many such pleasant reunions. There are, no doubt, many in the States who cherish kindly remembrances of Kew and its associations, and who would not lose an opportunity of being present should they be on this side of the Atlantic at the right time.

Admirers of pæonies will welcome Lady Sarah Wilson. It is semi-double, having very large petals of a delicate blush shade with a tinge of lavender at the base of the petals.

Bougainvillea Maude Chettenburgh may give varying results for different treatments, but the long racemes of cut

INTERIOR OF J. S. SIMMONS' STORE, TORONTO, ONT.

blooms seen at the Temple show were certainly remarkable for color and size of bracts. It was shown as a seedling and was awarded a certificate under the above name.

Every grower of rhododendrons should look for Pink Pearl. The color varies from deep to pale flesh pink, the flowers are enormous and trusses large.

A. HEMSLEY.

New York.

FLOWER MARKET IN A STATE OF COMA.—RECEIPTS HEAVY AND PRICES LOW.—GOOD BEAUTIES THE ONLY ITEM IN DEMAND.—CONVENTION PLANS MATURING RAPIDLY.

The flower market is and has been absolutely featureless since my last report. The returns for the past week for stock sold through wholesale channels have been smaller, if possible, than those for the previous week, which it was supposed had touched bottom for this season. The receipts in commission houses have not diminished to the extent anticipated, it appearing that each grower is holding on in hopes that others will be the first to discontinue and thus leave him a chance for some good picking on school commencements, weddings and steamer departures. For steamer gifts, however, nothing seems acceptable excepting Beauty roses of first grade and these are the only item in the list that has held its own. The balance of the rose supply finds no outlet whatever and remains unsold, even the Greeks refusing to touch it and confining their energies to the Jacqs and other outdoor varieties which have been at their height for the past week and are as good as, but no better than, the average in recent years. Carnations have been suffering from this competition also and even the finest stock obtainable cannot be placed at over $1 per hundred, while much of the ordinary cut has to go at $1 a thousand. The wedding demands seem to have no beneficial effect on lily of the valley, the growers seemingly having anticipated the call and stocked up the forcing beds accordingly. Sweet peas pile up in enormous quantities and very favorable weather has made them of excellent quality; prices will scarcely pay for picking. A few fine La France roses have sold satisfactorily.

Convention plans are maturing rapidly. Manager Cleary reports a lively demand for exhibition space and the best locations are being assigned rapidly. The souvenir book will soon be on the press; it will be a genuine surprise to the visitors. The sporting committees are making substantial progress. The shooting contest will take place on McKnight's meadows, Jersey City. A sign has already been erected there: "Beware of the man with the cork tooth."

As to early closing this year there is little prospect of an agreement among the wholesalers.

Boston.

THE GREEKS STILL RULE THE MARKET.—VALUES BEATEN DOWN TO VERY LITTLE.—STORY OF LILY OF THE VALLEY.—PÆONY SHOW AT HORTICULTURAL HALL.—FINLAYSON GROWS THE WINNERS.—NOTES OF THE PRIZE TAKERS.

The cut flower market is still a street fakirs' paradise. These individuals use up about nine-tenths of the stock coming in and they also make the price. They have got values of flowers in bulk down now to about the same figure as the same bulk of old straw would bring and unless a change comes soon they may demand pay for carrying it out of the wholesaler's way. There is really no value on anything except a very small percentage of selected stock. Carnations average of good quality but outside of the street fakirs few buyers are found. Roses are tending downward in quality. The price cannot get much lower, but the outdoor crop has not yet commenced to pile up, although it is now due. While it lasts there is no prospect of any special activity on the indoor kinds. Lily of the valley took heart as soon as the outdoor crop was over, and the price advanced sharply with the demand for bridal occasions but an unexpected impediment came in the shape of a big crop of cold frame stock which an up-country operator had shrewdly and in secrecy manipulated into bloom just as the outdoor product vanished. It was very adroitly managed and down went valley prices in consequence. The current week is filled with commencements, in addition to the numerous weddings, and class day at Harvard may be relied upon to use up a quantity of material, so the retailers have a chance to make a good thing of the season's wind-up, at the present values of flowers and the great quantity that is available.

The pæony show took place at Horticultural Hall on Saturday, June 16. The display of these showy flowers was magnificent. Five towering vases of blooms guarded the inner hall entrance and the other exhibits were arranged on tables extending the entire length of the hall. Dr. C. G. Weld, Kenneth Finlayson, gardener, was, as usual, invincible and gathered in first prizes with an agility born of experience. He won the Kelway medal offered for eighteen named varieties of Pæonia albiflora, first for general collection of double varieties, first for large vase of blooms and first for specimen bloom, the latter being a superb flower of P. Pottsii alba. Mrs. J. L. Gardner, Wm. Thatcher, gardener, was a close second on large vase of blooms and on general collection of double sorts, and was first on collection of single varieties. George Hollis was second on specimen bloom and on singles and third on the other classes, and W. J. Clemson, Edw. Powell, gardener, was fourth on large vase. Mr. Clemson showed a fine collection of hardy perennials, as did also Rea Bros. and R. P. Struthers and the Blue Hill Nursery. Dr. Weld's garden pinks, W. H. Spooner's hybrid sweetbriars and several extensive displays of native flowers all helped to make the show a thoroughly good one.

Thomas F. Galvin sailed for Europe on Saturday, June 16.

Visitors: Geo. C. Watson, Philadelphia; C. D. Thayer, Worcester.

Philadelphia.

GOOD FLOWERS ARE SHORT OF THE DEMAND.—ROSE GROWERS THROW OUT THEIR PLANTS TO START AFRESH.—A QUESTION OF POLICY.—STOCK AND PRICES.—CRAIGS MAKING EXTENSIVE IMPROVEMENTS.—NOTES.

Good flowers are very scarce; in fact, even poor stock is hardly to be had, as many growers have cleaned out their houses to make room for the young plants for the coming season. It seems a mistake to discard Kaiserins, for instance, that are fine and selling out clean at from $4 to $8 per hundred and that will be in strong demand until the summer houses come in, to make room so that a crop can be had from young plants by October and November, when the general average is not over $2 per hundred. It looks, to a man who knows something of things outside of a greenhouse, and little or nothing of the interior, as though it might be wise to hold on to the old crop for another month, before looking forward to counting the profits so many months away. Distance, however, "lends enchantment to the view," but when the goal is reached, things are as they are found. It is then too late and the annual howl about over-production, the chrysanthemums killing the sale of "legitimate" flowers, goes up, the country over, and the fakir lives on the fat of the land. It is an ill wind that blows nobody good and the fakir who is now such an important adjunct to the business is thus given encouragement. We would not say a word, but flowers are scarce and it seems hard to turn business away because of the lack of suitable stock to supply the demand.

Carnations are a great help just now. They seem to hold their own much better than roses. Ethel Crocker is good enough for anybody and is still bearing profusely, fine, full flowers, much better than anything else in the market. Prices for carnations are from 50 cents to $2 per hundred. Roses are $4 to $6; Beauties, 75 cents to $1 50 per dozen and very scarce and poor. Sweet peas are now in full supply at 25 cents per hundred. Water lilies are in and when miniature ponds graced with their beautiful blossoms are seen in the window decorations it is a sure sign, if any other was wanting, that summer is here.

Robert Craig & Son are about to make extensive alterations. They are tearing down a number of old houses and will replace them with modern structures. One large house containing ficus planted out for cuttings, called the rubber factory, has been entirely removed without disturbing the plants. Some 25,000 square feet of glass is to be changed. When this is completed the establishment will be in the best of condition, having been practically rebuilt within the past five years.

This is convention week, the Republican national convention holding forth in this city. There seems to be but few, if any, of the craft among the delegates; at least we have not heard of any such visitors being in town.

Hugh Graham had the decorations for a dinner given at the Union League, our swell political club, in honor of the prominent lights of the party now here. It was a very fine affair and was a credit to this celebrated firm. All the Republican clubs trimmed up a bit and there was quite a lot of decorating of an inexpensive character.

Emil Leiker, of Lansdowne, will be off in a few days to visit his old home in Germany and to take a look, as well, at the Paris Exposition.

John Walker is on a short vacation, traveling through western Pennsylvania and Ohio. K.

TARRYTOWN, N. Y.—The Tarrytown Horticultural Society gave a very satisfactory exhibition on the evening of June 14. Although the majority of the exhibits were fruits and vegetables, the display of roses, carnations and miscellaneous flowers from Wm. Scott, Wm. Turner, Thos. Cockburn and others showed excellent cultural work.

THE AMERICAN FLORIST

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AMERICAN FLORIST CO., CHICAGO.

SUBSCRIBERS who request a change of address will facilitate the operation by giving the old as well as the new direction.

THE American Dahlia Society, which meets at Springfield, Mass., in September, is to be invited to Buffalo for its session of 1901.

LILACS are enjoying a period of increasing popularity according to the reports from various sources of supply. The new double varieties are in particular demand.

A PRACTICE which threatens serious loss to florists all over the country is that of school authorities interfering in the matter of flowers at commencements. Florists, as tax payers, are privileged to protest wherever such edicts are promulgated.

Greenhouse Building.

Roslyn, Pa.—Adolph Fahrenwold, two Beauty houses.

Dennison, Tex.—E. Farley, two houses 20x65.

Farmer City, Ill.—John McDonald, one house.

Indianapolis, Ind.—Garfield Park, three houses 9x100.

Topeka, Kans.—Gage Park, house 40x80.

Rantoul, Ill.—H. M. Morris, carnation house 25x65.

Gloucester, Mass.—W. B. Brown, conservatory.

Rockland, Mass.—Hosea Gardner, conservatory.

South Hempstead, N. Y.—J. Sidenberg, house 21x120.

About Palms.

We would warn all gardeners against allowing their palms to remain for any length of time exposed to the fumes of burning gas, or the plants will become irreparably injured. Repotting, etc., may be performed just before new growth makes itself visible in the heart of the plant, and this differs in the various species; but generally, it becomes noticeable in the month of April in this country. Shaking out and root pruning may be done at a somewhat earlier date than simple repotting or retubbing, which may take place at any time between April and midsummer. In the case of the gardener having to perform the first two operations, a moderate hotbed in which to plunge the plants is of great use in re-establishing them, even in the case of the hardie genera.—*Gardeners' Chronicle.*

Ribbed Glass for Vegetable Growing.

ED. AM. FLORIST:—Please state whether thin, rough or ribbed glass could be successfully substituted for the ordinary double thick greenhouse glass in the growing of vegetables. Acknowledging the superior strength of ribbed glass, I am uncertain as to whether it will admit sufficient light during the winter months. P.

For the winter forcing of vegetables it is hardly possible to have too much light, and clear glass will give the best results. The increased strength of ribbed glass will not make up for the loss of light. L. R. T.

Gas Versus Coal—Form of Greenhouse.

ED. AM. FLORIST:—1. How many feet of natural gas equals a ton of coal for heating a greenhouse? 2. Do you consider a greenhouse on a hillside with a single slope facing the south equal to a ridged house? The house I have in contemplation would be fifty feet square. Could the pipes be so arranged in this house that the heat would be equal, and how? Would ventilators at the top and at the bottom be sufficient? A. B.

1. I have never made a comparative trial of the two, but I know that some persons estimate that one ton of a good grade of steam lump coal is equal in efficiency to 4,000 feet of gas. 2. When houses are to be forty or fifty feet wide it is well to have the ground slightly sloping, as the distance from the plants to the glass will be lessened. Ordinarily it will be better to have from one-fourth to one-third of the roof slope to the north than to have it all toward the south. The cold air always drops to the lowest part of the house, and this is the principal objection to side-hill houses. A difference of five feet in the level of the opposite sides of a house will often make a difference of 10° in the temperature. This can be counteracted by placing most of the radiation at the lower side, or plants that require a low temperature may be placed there. In addition to wide ventilators at the ridge and in the south wall, it will be well to have openings in the north wall and to provide some means of ventilating from the ends of the house. L. R. T.

Chicago.

TRADE STEADY AND BRISK.—LARGE RECEIPTS MOVED AT REASONABLE PRICES.—BEAUTIES AND OTHER GOOD ROSES SCARCE.—PÆONIES DRINGING BETTER PRICES THAN USUAL.—ROSES AT JACKSON PARK NEVER BETTER.—IMPROVEMENTS PLANNED FOR OCONOMOWOC.—VARIOUS ITEMS OF INTEREST.

This has been an uneventful but busy week. Trade has been steady and remarkably heavy and, although there are still very large receipts, there has been little surplus. Of course prices have not been high but roses have become quite scarce, especially the better grades, and bring good figures, Wietor Brothers securing as much as 8 cents for their best Brides and Bridesmaids. They are also cutting some extra Meteor, but this item is still scarce, and Beauty, also, is under the demand. Carnations are still plentiful but are cleaning out with little effort. The qualities are fair. Pæonies are not yet near an end but are going well. Prices realized this year have been far better than usual because of the peculiar weather, and some other factors, which have stretched the crop over double the usual period and prevented the deluge which usually breaks down values as soon as the cut is fairly on. There have been all kinds of garden flowers but they have sold slowly and been little used except for window decoration.

Admirers of outdoor roses have not seen the best display ever on view in the west unless they have visited the Wooded Island in Jackson Park within the past week. The cool spring made the rose garden about a week later than usual in reaching perfection, but the place has been thronged, and every one has joined in praise of the display. The garden shows no change from previous years except that many of the varieties were never so good, notably Mrs. John Laing, pink; Marshall P. Wilder, cherry rose and carmine; Paul Neyron, deep rose; Jean Liabaud, crimson maroon; Margaret Dickson and Mabel Morrison, white, and Anna de Diesbach, carmine.

O. Speidel, gardener at the P. D. Armour, Jr., estate at Oconomowoc, Wis., was in town one day this week enroute to the Higinbotham place at Joliet and to Lake Geneva. He is preparing to make some extensive plantings and improvements at Oconomowoc, although his place is already one of the finest in this section of the country. Mr. Speidel is having excellent results with hotbeds made with cement walls sunk below the frost line, covered by sash and heated by one run of pipe, a style very common in Belgium and which serves to carry stock safely through the winter.

J. Austin Shaw is making Chicago his headquarters for a time, prior to a western trip. He is now devoting his energies solely to the interests of the Jackson & Perkins Co., Newark. N. Y., and the European and Japanese houses which they represent. This firm is probably is the largest grower of clematises in the world, their output this year exceeding 250,000.

Thursday was the date of nearly all the commencements in this city and was expected to be a very busy day all along the line, but the rain interfered and, wholesalers estimate, reduced the value of supplies on hand that morning about one-third.

Peter Reinberg is cutting a few Liberty roses each day, from his 6,000 plants, and while they are still rather short, the buds are fine and the buyers are glad to get them at good prices.

A. C. Spencer and his family have removed to the South Side, corner of Forty-third street and Calumet avenue, where he has a pleasant home easily accessible from Reinberg's wholesale store.

W. N. Rudd and a party of kindred spirits have been spending this week fishing in the vicinity of Glen Haven, Mich.

Arnold Ringier is making a trip to the Pacific coast and incidentally taking in the bulb fields in Washington.

Visitors: D. R. Woods, Los Angeles, Cal.; J. D. Carmody, Evansville, Ind.; Fred. Gear, Cincinnati, Ohio; H. W. Kœrner, Milwaukee.

Milwaukee.

BUSINESS FAIRLY ACTIVE.—GOOD STOCK SCARCE.—VOLK TO CLOSE HIS HANDSOME STORE.

Trade has been fair so far in June, for there were many receptions while the federation of women's clubs was in session and the June weddings and commencements have carried things along

nicely. While there has been a large quantity of stock in the market, really first-class material has become scarce. Spiræa Van Houttei has been much in evidence.

George Volk has concluded to discontinue his store on Milwaukee street and devote his entire attention to his greenhouses. Mr. Volk's store is one of the handsomest in the city and much regret is felt at his determination but he says the strain of managing both places is too great.

The addition to the establishment of Holton & Hunkel Co. is now completed, giving them the room necessary to handle their increasing trade. They also have a new wagon.

A. Billings is remodeling his greenhouses and next year will grow more lilies and fewer violets.

Recent visitors: Adam Zender and wife, Chicago; A. H. Stolze, Manitowoc.

C. B. W.

Indianapolis.

Clyde Powers, superintendent of parks, was at Philadelphia to attend the Republican national convention and goes thence to New York and other eastern cities for a somewhat extended tour.

Alfred Pahud will sail from New York June 28, intending to remain in Europe until September.

John Heidenreich started on Monday for a trip to all the principal cities of the east.

Garfield Park is to have three new houses 9x100. C. W. S.

OBITUARY.

LEWIS B. WHEELER.

Lewis B. Wheeler, who was highly esteemed among the growers at Berlin, Mass., died on Tuesday, June 12.

LUKE FAGAN.

Luke Fagan, for over twenty years gardener at Stone Villa, Newport, R. I., owned by James Gordon Bennett, died on the afternoon of June 14. He was a very popular and highly respected man and an active member of the Newport Horticultural Society.

ANN ARBOR, MICH.—John L. Laidlaw, who has had charge of the landscape work on the Ann Arbor Division of the Michigan Central Railroad, has resigned with the intention of returning to Scotland. His successor is John Gipner, who has been on the Niles Division and will now have charge of both.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent. W, care American Florist.

SITUATION WANTED—By florist, age 23, on private or commercial place, general greenhouse work. FLORIST, 90 Sixth Ave., New York City.

SITUATION WANTED—By thoroughly reliable florist; private or commercial. English. Good references. Address GARDENER, care Am. Florist.

SITUATION WANTED—By competent single florist, well posted in all branches. Please give particulars in answer. Address K W, 339 Paulina St., Chicago, Ill.

SITUATION WANTED—By a reliable florist as foreman or to take full charge. Life-time experience, English, married, first-class references. Address C R, care American Florist, Chicago.

SITUATION WANTED—By practical florist; No. 1 rose grower. Carnations, mums specialties. Good designer and decorator. Best of references. HENRY FLORIST 1707 Pearl St., Cleveland, O.

SITUATION WANTED—By first-class cut flower grower, as all around man or working foreman; 35 years' experience; married; hard worker and sober. Address M DIETZ, 837 N. 25th St., St. Joseph, Mo.

SITUATION WANTED—By man and wife, to take entire charge. Man is a grower and wife floral designer Man strictly temperate. Good recommendations. Write for full particulars. Address SMYTHE, care American Florist.

SITUATION WANTED—July 1, by a florist, 14 years' experience, to take charge of a retail commercial place; thoroughly posted in growing first-class stock, sober and reliable, good reference. Address GERMAN, Clay Center, Kas.

SITUATION WANTED—As manager or foreman in a large commercial place, a practical grower of roses, carnations, 'mums, violets, palms, ferns, etc. Life experience Europe and this country; three years in last place. Good wages expected. References O. K. Address MANAGER, 429 N 10th St., Phila., Pa.

SITUATION WANTED—By first-class designer, decorator and cut flower worker. Second to none as cut flower and general stock grower. Also good salesman; 12 years' experience; single; age 26; strictly sober, industrious and reliable. Of good address. Only those wanting up-to-date man need answer. Address FLORIST, Columbia City, Ind.

WANTED—Boiler to heat 700 sqr. ft. radiating surface. Cash. J. F. HUNTER, Mount Holly, N. J.

WANTED—Beauty grower for new section houses. Call or address BRANT & NOE, Forest Glen, Chicago, Ill.

WANTED—Address of Louie Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—Competent man for general greenhouse work. Address ALMA S. PATTERSON, Fort Scott, Kan.

WANTED—A good florist, single; competent of handling palms and ferns Address H. F. HALLE, 548 W. Madsion St., Chicago.

WANTED—Good, capable, unmarried gardener, experienced in orchids. Must have good references. Address COMO, care American Florist.

WANTED—A young man for rose growing and general propagating on a place of 14000 feet of glass. Address J H, care American Florist, Chicago.

WANTED—A competent man to act as manager of 65 000 feet of glass in cut flowers. Present foreman resigns on account of ill health. Address E. HIPPARD, Youngstown, O.

WANTED—A No. 1 rose grower, one who is willing to work and grow first-class roses, and can come at once. References required. Address PURRY, care American Florist.

WANTED—Information as to the whereabouts of Richard Rule, formerly employed by Parkside Floral Co. It will be to his advantage. Address GREENHOUSES, 70th and Adams Ave., Chicago.

WANTED—A young man to take care of horses and make himself usefnl about Greenhouses. Must understand potting. Address GREENHOUSES, 70th and Adams Ave., Chicago.

WANTED—Industrious man to care for lawn, conservatory and carriage team; good wages to trustworthy party Scandinavian or German preferred. MRS. HARRIS FRANKLIN, Deadwood, S. D.

WANTED AT ONCE—Competent single florist, on a place of 7000 feet of glass, where roses, carnations, 'mums, and general stock are grown. State wages and address at once, sending references. F. B. TINKER, Peru, Ind.

WANTED—First-class German florist, to take full charge of commercial place Must understand growing general stock and be able to sell goods. A sober, steady man is what is wanted 2500 ft. greenhouse glass; 2500 ft hotbed sash; houses heated with natural gas. Everything first class. Salary satisfactory to right man. W. E. BEAUDRY, 5411 Woodlawn Ave., Chicago.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Wholesale cut flower commission house and florists' supplies Price $410, worth $800. Good reasons. A. ELBERFIELD, 1005 17th St., Denver, Col.

FOR SALE—Wholesale cut flower commission house and florists' supplies. Price $400, worth $800 Good reasons. A. ELBERFIELD, 1005 17th St., Denver Col.

FOR SALE CHEAP—500 feet 3½-inch iron pipe, with fittings, in good condition. Will sell lot at 10c per foot. A bargain. Address quick, J. A. BROWN, Howell, Mich.

FOR SALE—Greenhouse plant, 25,000 feet of glass; place as good as new, 2⅓ acres of land with good dwelling house, barn, etc.; 14 miles from court house, Chicago. W L, care American Florist, Chicago.

FOR SALE—At one-half their actual value, greenhouses containing 9,000 square feet of glass, situated in a thriving town close to Chicago; houses well stocked. Address S S, care American Florist, Chicago.

FOR SALE—Established florist business, city of 30,000, three houses stocked with roses, carnations, 'mums and general stock; fine location, opposite cemetery. Reasons for selling, age. Address GEORGE KENDALL, Muncie, Ind.

FOR SALE CHEAP—Ten greenhouses, office, barn, ground and dwelling. Steam heated, centrally located in city of 50,000 inhabitants. Reason for selling, widow. MRS GEO. WALDBAUER, 1317 N. Michigan Ave, Saginaw City, Mich.

FOR SALE—Greenhouse plant containing 7000 feet of glass, built three years ago, three acres of land, dwelling house and stock. 25 miles from Boston and a good chance for a wholesale and retail business. Easy terms Address R B, care American Florist, Chicago.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

LARGE GREENHOUSES and FLORAL BUSINESS FOR SALE AT A BARGAIN.

Centrally located in a flourishing and growing city of nearly 150,000 people. The leading house in that line within a radius of 200 miles. A large and fine trade with the best class of customers. No house has a better reputation. No debts of any kind. This plant is offered for sale at a great bargain because the proprietors have gone into other business. Address for particulars,

Q & C, care of this paper.

FOR SALE

On western coast of Michigan, two lots, two greenhouses, all modern appliances, in excellent condition. Good business location. Good opportunity for energetic man. Price $2,200.00. Write for particulars.

For sale or rent, near Erie, Pa., lot 100x150, large two story dwelling and four greenhouses almost new. Good glass and well heated. Excellent business location. Price $2,000.00, easy payments. Write for particulars.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE

Making a Change in our Method of Heating. We Offer the following Boilers For Sale:

One No. 8 Furman brick set hot water Boiler. Been in use four months, as good as new. Price $225.

One No. 6 Furman brick set hot water Boiler. In use five months, as good as new. Price $140.

One No. 8 Furman brick set hot water Boiler. In use three seasons. In first-class condition. Price $200.

One No. 7 Furman brick set hot water Boiler. In use five seasons. In good order every way. Price $150.

One No. 7. Furman brick set Boiler, steam or hot water. In use 6 seasons. In good order. Price $100.

All of these Boilers are in the best condition. Shaking grates in all. Have just been taken out to make room for two large boilers. Will deliver F. O. B. Richmond.

ADDRESS

W. A. HAMMOND,
107 East Broad St.,
Richmond, Va.

Hillsdale, Mich.

Carl Hirsch, florist upon the Michigan Southern Division of the L. S. & M. S. R. R., with headquarters in this city, has recently completed what is probably a trip the like of which was never known in this country. Mr. Hirsch started out with a special train of four cars laden to their capacity with potted plants and before his return he had traveled 1055 miles and planted 191 flower beds at the various stations on his division of the road. Mr. Hirsch is now planning a vacation trip to Europe, sailing about July 1 and visiting France and Germany, being absent about two months.

SPRINGFIELD, MASS.—Charles F. Fairfield's greenhouses at 30 Eastern avenue have been purchased by D. J. Murphy, who will change the name to the Eastern Avenue Conservatories. Mr. Murphy will completely renovate and remodel the greenhouses. He comes to this city with a wide and varied knowledge of horticulture, having had an experience of six years with Lange, of Worcester, and he was also with Galvin, of Boston, for six years.—*Union.*

Wholesale Flower Markets

CINCINNATI, June 21.

Roses, Bride	2 00@ 4.00
" Bridesmaid	2 00@ 4 00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1 00
" fancy	1.50@ 2 00
Lily of the valley	4 00
Gladiolus	4.00
Callas	6.00@ 8 00
Stocks	2 00
Sweet peas	.25
Tuberoses	3.00@ 4 00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Harrisii	8 00@10.00
Asparagus	50.00

ST. LOUIS, June 21.

Roses Bride, Bridesmaid	3.00@ 5.00
" Meteor	3 00@ 5 00
" Perle. Wootton	2.00@ 3.00
Carnations, common	.75@ 1.00
" fancy	1 50@ 2.00
Sweet peas	.20@ .25
Smilax	12.50@15.00
Adiantum	.60@ 1.00
Asparagus	25.00@50.00

MILWAUKEE, June 21.

Roses, Beauty, long..... per doz.	3 00
" " medium " "	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	4.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	4.00
Auratums lilies	15.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20

PITTSBURG, June 21.

Roses, Beauty, fancy	20.00@25.00
" " extra	10.00@15.00
" " No. 1	10 00@20.00
" " culls	3.00@12 00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	2.00@ 8.00
" Perle	2.00@ 6.00
Cnain	2.00@ 4.00
Carnations, ordinary	.00@ 1.00
" fancy	1 50@ 2.00
Lily of the valley	2 00@ 4.00
Harrisii	8 00@10.00
Sweet peas	.35@ .75
Daisies	.25@ 1.00
Pæonies	3 00@ 5 00
Smilax	12 50@15 00
Gladiolus	3.00@ 6.00
Adiantum	.75@ 1.00
Asparagus	35 00@50.00
Sprengerii	.25@ .35

DENVER, June 20.

Roses, Beauty, select	20.00@30.00
" ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	4.00@ 5.00
Carnations, ordinary	1 00@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	4.00
Callas	12 50
Harrisii	12.50
Sweet peas	.50
Asparagus	60.00
Smilax	18.00
Ferns	.30
Pæonies	5.00

Orchid Flowers.

W. A. MCFADDEN,
"ROSEBANK,"
CINCINNATI.

Shipments made direct from greenhouses, insuring fresh and perfect blooms.

N. B. It is particularly requested that the stock here offered be not confused with similar stock offered by commission dealers at lower prices, which has been shipped from New York. Rosebank Orchids are never sold through commission dealers.

CATTLEYAS
(IN VARIETY)
$6.00 per Dozen.

Everything in the CUT FLOWER line.

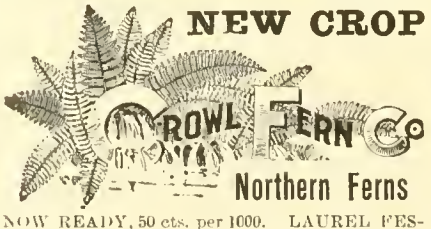
WIRE WORK, the kind that will give satisfaction.

and a complete line of FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

FLOWERS of ALL DESCRIPTIONS
For Commencement Exercises and June Weddings.
C. C. POLLWORTH CO., Milwaukee, Wis.

FROM COLD STORAGE.
Write, telegraph or telephone.
GALAX LEAVES Brilliant Bronze, $1.50 per 1000; Brilliant Green, $1 50 per 1000. LEUCOTHOE SPRAYS Bronze, $1.25 a 100; Green, $1.25 a 100.
FANCY FERN, DAGGER FERN, ETC. At Market Prices.
HARRY A. BUNYARD, 42 W. 28th St., New York City.
Telephone, 2065 Madison Square.



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NOW READY, 50 cts. per 1000. LAUREL FESTOONING, 4c to 6c per yard. Best goods always.
CROWL FERN CO., Millington, Mass.
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THE GARDENING CO. Monon Bldg. CHICAGO.

Hardy Cut Ferns
FANCY and DAGGER.
In full bloom now. In 1000 lots 50c. In lots of over 1000 40c per 1000. Laurel Roping 4c per yard. Bouquet Green Roping 4c per yard. Sphagnum Moss 50c per bbl.
All orders by mail or dispatch promptly attended to.
THOMAS COLLINS,
Hinsdale, - Mass.

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500,000 FEET OF GLASS.
Headquarters for American Beauty. Carnations, Blooms and Cuttings.
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P. & D. at Cost.

	Per Dozen.
BEAUTIES, short	$1.00
" medium	1.50 to 2.00
" long	2.50 to 3.00
	Per 100
BRIDES and MAIDS	$3.00 to $4.00
METEORS	3.00 to 4.00
PERLES	2.00 to 3.00
KAISERINS	2.00 to 4.00
" very fancy	6.00
CARNATIONS, assorted	1.00 to 1.50
" fancy	2.00 to 3.00

	Per 100
PÆONIES	$3.00 to $5.00
LIL. HARRISII	8.00 to 10.00
CALLAS	8.00 to 10.00
FORGET-ME-NOT	1.00
VALLEY	4.00 to 5.00
FERNS, Per 1000 $1.50	.20
ADIANTUM	.50
SMILAX, Per doz. $1.50	12.50

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Modern Supply House.

We have a fine assortment of

BASKETS suitable for **SCHOOL CLOSINGS**

and offer same at greatly reduced prices.

Special attention given to assortments, $5.00, $10.00 and up. Parties leaving selection to us will be sure of getting nothing but strictly good standard styles, as we have no other.

Give us your order now together with your needs in

CUT FLOWERS.

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Carnation Blooms

In Unlimited Quantities

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ALL THE NEW VARIETIES.

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Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

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Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, June 22.

Roses, Beauty,	extra long stems		3.00@ 4.00
" "	30 inch	"	3.00
" "	24 "	"	2.50
"	20 "	"	2.00
" "	15 "	"	1.50
"	12 "	"	1.25
" "	8 "	"	1.00
" Bride, Bridesmaid			3.00@ 6.00
" Perle			3.00@ 5.00
" Meteor			4.00@ 6.00
" La France			4.00@ 5.00
" Golden Gate			6.00@10.00
Carnations			1.00@ 1.50
" fancy			1.50@ 2.00
Lily of the valley			3.00@ 5.00
Mignonette			2.00@ 6.00
Harrisii			10.00@15.00
Callas			8.00@10.00
Sweet peas			.50@ 1.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			12.50@15.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST.

64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR

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CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

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A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

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Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

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Telephone Main 3208. CHICAGO.

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PITTSBURGH CUT FLOWER CO. LTD. FORT PITT 1783 COL. BOQUET. PITTSBURGH, PA.

Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

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AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

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Wholesale Depot for all Florists' Supplies.

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CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, JOBBERS IN FLORISTS' SUPPLIES

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

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The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

It is good business policy to mention the ..AMERICAN FLORIST when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, June 20.

Roses, Tea	1.00@ 2.00
" " extra	4.00@ 6.00
" Beauty, extra	10.00@15.00
" " firsts	6.00@ 8.00
Carnations	.50@ .75
" fancy	1.00@ 2.00
Lily of the valley	2.00@ 4.00
Asparagus	35.00@50.00
Smilax	15.00@20.00
Adiantum	.75@ 1.00
Sweet Peas	.25

BOSTON, June 20.

Roses, Beauty, extra	15.00@20.00
" " medium	4.00@ 6.00
" " culls	1.00@ 2.00
" Bride, Bridesmaid, Meteor	.50@ 3.00
" extra	4.00@ 6.00
" Kaiserin	6.00@ 8.00
Carnations	.50@ .75
" extra	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Longiflorums	4.00@ 6.00
Sweet peas	.25@ .50
Astilbe, Stocks	1.00@ 2.00
Smilax	10.00@12.00
Asparagus	50.00
Hardy ferns	.20

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,

481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET, ST. LOUIS, MO.

A complete line of Wire Designs.

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'Phone 1-42-69-A. PHILADELPHIA.

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N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... Cut Flowers in the West.

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

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JOHN B. FERGUSON, Wholesale Florist,

5515 Fifth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets. Solicited.

J. M. COHEN, Florist,

Telephone 2385.
CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
JUNE SPECIALTIES. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

GHORMLEY & PERKINS,
Wholesale Commission **Florists,**
New and Commodious Establishment at *57 West 28th St., NEW YORK.*
Prepared to handle large or small consignments of cut flowers to growers advantage. Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
.... 30 West 29th Street.
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Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, June 20.

Roses, Beauty select	15.00@20.00
" " medium	4.00@ 6.00
" " culls	50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " " Select	4.00@ 6.00
Carnations	.25@ .50
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Sweet peas	.10@ .15
Peonies	1.00@ 2.00
Harrisii	2.00@ 4.00
Cattleyas	30.00@40.00
Gardenias	12.00@15.00
Smilax	8.00@12.00
Asparagus	25.00@35.00
" Sprengerii, per doz. bunches	.75@1.00
Adiantum	.50 .75

BUFFALO, June 21.

Roses, Beauty	15.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 6.00
" Perle, Niphetos	3.00
" Kaiserin	6.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Sweet peas	.50
Harrisii	10.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.50
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

We've thousands of readers and hundreds of advertisers. Each helps the other.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. Wholesale Florist.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE.

There Are Buyers
For all kinds of good stock advertised in.....
THE AMERICAN FLORIST

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Avenue.

Now we have
TULIPS,
DAFFODILS,
FREESIAS,
PANSIES,
SWEET PEAS,
VALLEY,
ORANGE BLOSSOMS
EDW. C. HORAN,
47 WEST 28TH ST.
Tel. 421 Madison Squa
.....NEW YORK.
CUT FLOWERS AT WHOLESALE.
ROSES,
The best of each variety in market free from mildew.
VIOLETS,
in any quantity, Special or Ordinary.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

W. ATLEE BURPEE & Co. inform us that they have been awarded first prize for sweet peas at the Paris Exposition.

CUT worms and wire worms are playing havoc with both field and sweet corn around Waterloo, Nebraska. Some fields of heavy land had to be planted as many as three times. A good rain the night of June 15 helped matters a good deal.

How Seedsmen Bowl.

The seedmen bowled many games during their recent meeting at Chicago. Herewith we present the scores made in one of the games: A. Dickinson, 185; C. Stecher, 139; A. T. Ferrell, 134; C. H. Vick, 112; J. C. Vaughan, 111; P. Hollenbach, 102; H. G. Windheim, 97; F. W. Barteldes, 96; J. C. McCullough, 92; W. C. Langbridge, 83.

ALBERT M'CULLOUGH
President-elect American Seed Trade Association.

Albert McCullough.

At its annual convention in Chicago last week, Albert McCullough, senior member of the well known firm of J. M. McCullough's Sons, Cincinnati, Ohio, was elected president of the American Seed Trade Association. Mr. McCullough has been a member of the association since its inception in 1883, serving three years (1886-89) as secretary and treasurer and one year (1890) as president. He has thus been twice chosen as president, an honor not previously bestowed on any other member. Mr. McCullough was born at Cincinnati in 1851. After a collegiate education he entered the establishment founded by his father, the late J. M. McCullough. He is thoroughly interested in all departments of the business, giving special attention to grass and farm seeds. In the management of the concern he is now ably assisted by his son, Harry B., the elder gentleman having many other interests which make heavy demands upon his time.

California Notes.

Thomas A. Cox, of the Cox Seed Co., is expected home from New York this week. Fred. Hunter, of the same firm, has gone south while John Horn is traveling in the opposite direction.

Chas. Beebe, of Trumbull & Beebe, is on a business trip to the southern part of the state.

Arnold Ringier, of W. W. Barnard & Co., Chicago, is here. METEOR.

Seedsmen at Chicago.

The following were among those who attended the meeting of the American Seed Trade Association in Chicago last week: T. Lee Adams, J. G. Peppard, J. I. Reynolds, A. G. Trumbull, Kansas City, Mo.; C. L. Allen, Floral Park, N. Y.; J. B. Baker, Fort Worth, Texas; F. W. Barteldes, Max Wilhelmi, Lawrence, Kan.; J. H. Beagley, Sibley, Ill.; F. W. Bolgiano, Washington, D. C.; Chas. H. Breck, John Fottler, Jr., Boston, Mass.; S. E. Briggs, Toronto, Canada; A. C. Brown, Springfield, Ill.; Alfred J. Brown, Grand Rapids, Mich.; H. W. Buckbee, Roland H. Shumway, Sr., R. H. Shumway, Jr., Rockford, Ill.; Chas. Burge, R. L. Burge, Fred. W. Jaeger, W. T. Phillips, Toledo, Ohio; Geo. B. Burroughs, Jerome B. Rice, W. R. Roach, Cambridge, N. Y.; C. S. Clark, Wakeman, Ohio; Everett B. Clark, Milford, Conn.; John J. Cleary, Frank Hoermann, Terre Haute, Ind.; Adolph Corneli, Ben. P. Corneli, Robert Pommer, Chas. E. Prunty; N. M. Schisler, St. Louis, Mo.; T. C. Crabb, A. E. Reynolds, Crawfordsville, Ind; A Currie, S. G. Courteen, Milwaukee, Wis.; O. H. Dickinson, Springfield, Mass.; F. H. Eheling, Syracuse, N. Y.; A. T. Ferrell, W. H. Grenell, Saginaw, Mich.; Jacob S. Handle, R. L. Templin, Calla, Ohio; F. G. Johnson, Columbus, Ohio; Herbert W. Johnson, Burnet Landreth, Philadelphia, Pa.; C. Edward Kendel, Cleveland, Ohio; Thomas M. Landrum, Santa Clara, Cal.; W. C. Langbridge, Albany, N. Y.; Albert McCullough, J. McCullough, Cincinnati, Ohio; W. J. Mandeville, C. H. Vick, C. Stecher, Rochester, N. Y; August Mangelsdorf, Atchison, Kan.; L. H. Manley, Buffalo, N. Y.; J. S. Michael, H. A. Johns, Sioux City, Ia; Jesse E. Northrup, Minneapolis, Minn; L. L. Olds, Clinton, Wis.; Chas. N. Page, DesMoines, Ia.; E. M. Parmelee, Picton, Ont.; Chas S. Park, Salem, Ore; S. M. Pease, Cape Vincent, N Y.; J. C. Robinson, Waterloo, Neb; Otto Schwill, Memphis, Tenn.; Frank Seberger, Crown Point, Ind; E J. Sheap, Jackson, Mich.; J. Steckler, New Orleans, La; Mel. L. Webster, Independence, Ia.; S. F. Willard, Thos. H. Willard, Wethersfield, Conn.; H. G. Windheim, Omaha, Neb.; H. W. Wood, Richmond, Va; H. M. Wall, Brooklyn. N. Y.; Harry N. Hammond, Fifield, Mich.; F. W. Bruggerhof, New York.

CINERARIA--CALCEOLARIA--PANSY

Cineraria, James' Giant strain, the finest strain offered, per packet, 35c; ½ tr. pkt., 65c; tr. pkt., $1.00.
Calceolaria, James' Giant strain, unsurpassed; ½ trade packet, 30c; trade packet, 60c.
Pansy, Johnson & Stokes' Kingly strain, comprises all the giant sorts of merit; per packet, 25c; ½ trade packet, 30c; trade packet, 50c; per oz., $5.00.
Asparagus Sprengeri, 100 seeds, 50c; per 1000 seeds, $4.00.
Asparagus Plumosus Nanus, 100 seeds, $1.00; per 1000 seeds, $9.00.

JOHNSON & STOKES, SEEDSMEN. **217 and 219 Market St., Philadelphia, Pa.**

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS. N. J.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address
H. H. BERGER & CO., (Est. '78) **47 Barclay St., N.Y.**

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN

SEND FOR PRICE LIST.

Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.

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ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition:

KENTIA BELMOREANA, per 1000, $4 00; 5000 to 10,000 at $3.50; 10,000 and over at $3.00.
KENTIA FORSTERIANA, per 1000, $4 00; 5000 to 10,000 at $3 50; 10,000 and over at $3.00.
LICUALA GRANDIS at $3.00 per 1000.
Also **CYCAS REVOLUTA STEMS** in assorted sizes, 3 lbs. to 12 lbs., at $8.00 per 100 lbs., while unsold.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Field Grown **CARNATIONS**

Orders booked now for fall delivery.
GEO. HANCOCK & SON, Grand Haven, Mich.

VAUGHAN'S LIST OF SEASONABLE SEEDS ...For... Florists' Use.

PRIMULA SINENSIS FIMBRIATA, (Chinese Primroses).

	250 seeds.	1000 seeds.
Alba, pure white	$ .50	$1.50
Chiswick Red, bright red	.50	1.75
Kermesina Splendens, crimson	.50	1.75
Atrosanguinea, brightest deep red	.50	1.70
Alba Magnifica, snow white, of excellent form and habit	.50	1 70
Peachblossom, beautiful white with pink hue	.50	1.70
Blue, a clear sky-blue	$ .50	$1.70
New Upright Deep Velvety Red	.50	1.75
Rosea, bright pink	.35	
Mont Blanc, new, large, pure milk-white flowers	.50	
Striata, white and lilac striped	.35	
PRIMULA Mixed, a splendid variety ..... 1/8 oz., $3.00;	.25	1.25

VAUGHAN'S COLUMBIAN CINERARIAS.—This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Per T. pkt., about 1000 seeds, 50c; 3 pkts. for $1.25.

CALCEOLARIA HYBRIDA.—Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties and we know it will give entire satisfaction. Trade pkt. (1000 seeds), 50c.

CYCLAMEN, Giant Flowered. *Cyclamen Persicum Giganteum Splendens.*—We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors.

	100 seeds.	1000 seeds.
Giganteum Album, Mont Blanc, pure white	$ .75	$5.00
Deep Crimson, very large	.75	5.00
Rosa von Marienthal, splendid pink	.75	5.00
White, Carmine Eye	.75	5 00
Giant Flowered Sorts, best mixed ..... 1/8 oz., $1.50;	.50	4.50
CYCLAMEN, Persicum, fine mixed ..... pkt., 25c; 1/4 oz., 70c;	oz.,	$2 50

For full list of Seeds, write for our Import List just out.

Vaughan's International Primula Mixture. This mixture is composed of the most salable colors of Sing'e Flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the above mentioned Giant sorts, some Fern leaved, some blue; also some with dark leaves and stems. Pkt., 350 seeds, 50c; 5 pkts., (1750 seeds,) $2; per 1-16 oz., $2.50.

Bamboo Cane Stakes,
Per 100, 75c; 250, $1 25; 1000, $4 00; f. o. b. Chicago.

Rose Grower Bone Meal,
The best for Florists' use. It is ground fine, hence is quick acting. 50 lbs., $1.00; 100 lbs., $2 00; 200 lbs., $3.50.

CHICAGO, 84-86 RANDOLPH STREET. **VAUGHAN'S SEED STORE,** NEW YORK, 14 BARCLAY STREET.

LAKEVIEW ROSE GARDENS, HEADQUARTERS FOR
Wholesale Growers, Cut Flowers.

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

SMILAX.

	Per 100
Fine plants, 2-in. pots 1000, $8.00;	1.00
ASPARAGUS { Sprengerii, 2-inch pot	3.00
{ Plumosus Nanus	4.00
Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea	2.00
Pansy seed, large-flowering ..... $4.00 per oz.	

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DELAWARE, O.
Please mention the American Florist when writing.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. VIOLETS.

WOOD BROTHERS, FISHKILL, N.Y.
Please mention the American Florist when writing.

IVORY 'MUMS FINE STOCK.

2½-inch pots,
$2.00 per 100, $17.50 per 1000.

HENRY EICHHOLZ, Waynesboro, Pa.

CARNATIONS.

Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McCowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine Lady H. Campbell, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

....AN....

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TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

NOVELTIES IN PLANTS
That Can't Be Had Elsewhere.
Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr Peter Barr's New White Lupin The Grand New Salvia Glory of Stuttgart. The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasore Vine, New Shamrock Pea Send for Catalogue of Novelties.
Always to quantity—Asparagus Sprengeri, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.
A. BLANC & CO., Philadelphia, Pa.
Please mention the American Florist when writing.

BOSTON FERN ...A... SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.
Please mention the American Florist when writing.

MÖLLER'S
Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.
Moller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription $3.00 per annum, including postage. Sample copies free.

Ludwig Möller-Erfurt. (GERMANY)
Please mention the American Florist when writing.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

THE Central Michigan Nursery Company, Lansing, Mich., has increased its capital stock to $25,000.

THE American Forestry Association meets at Schwerwinerhorn Hall, Columbia University, New York, June 25 and 26.

BLOOMINGTON, ILL.—F. S. Phœnix, the nurseryman, lost his office and office furniture in the recent disastrous fire here.

E. RUNYAN, president of the Elizabeth Nursery Co, Elizabeth, N. J., who was at the Chicago convention with fine samples of clematis, etc., reports an excellent business.

IN the Superior Court at Council Bluffs, D. J. Fogarty has begun suit for $1950 against E. L. Newland, who refused to accept nursery stock as per contract and left the goods on the plaintiff's hands.

GEORGE FOSTER has disposed of his interest in the Phœnix Nursery Co., Bloomington, Ill., to W. E. Rossney and retires after thirty-two years' connection with the establishment. Sidney Tuttle and Mr. Rossney are now the only owners of Phœnix stock.

Nurserymen's Protective Associations.

There was unusual activity in the ranks of the American Nurserymen's Protective Association during the convention in Chicago last week but what occurred at its annual meeting, June 13, aside from the officers elected, it is not given the uninitiated to know. The new officers are: President, Wm. Pitkin, Rochester; vice-president, A. L. Brooke, No. Topeka, Kans.; secretary, T. B. Meehan, Germantown, Pa.; treasurer, Peter Youngers, Geneva, Neb.; executive committee, C. J. Stark, Louisiana, Mo.; J. H. Dayton, Painesville, O.; C. J. Brown, Rochester.

The annual meeting of the Nurserymen's Mutual Protective Association was held Wednesday evening, June 13. The usual routine of business was transacted and the following officers re-elected: President, N. H. Albaugh, Phoneton, O.; vice-president, Wm. C. Barry, Rochester, N. Y.; secretary and treasurer, Geo. C. Seager, Rochester; executive committee, E. Albertson, Bridgeport, Ind.; Irving Rouse, Rochester; F. H. Stannard, Ottawa, Kans.

St. Louis.

TRADE IS FAIR IN SPITE OF THE STREET CAR TROUBLES.— ROSES SCARCE AND BEAUTIES UNOBTAINABLE.—CLUB MEETING.

There has been only a slight change in the state of trade during the past week. Several school commencements have created an increased demand for bright colored stock, but there have not been so many large weddings. Good roses are exceedingly scarce, and as one wholesaler put it, "we forget what Beauties look like." Carnations have dropped a notch in quality, but sweet peas are fine. There has never been known a time when the town was as full of them as it is to-day. Prices run from 10 cents to 30 cents per bunch. Spider lilies are going rather slow at $1 per dozen cuts. Cape jasmines and pæonies are over.

The Ostertag brothers and their helper returned early in the week from their trip to Elkins, W. Va., where they had been for a week prior to making the decorations last Saturday for the Kerens wedding. The stock used was mostly from New York; in fact, all of it with the exception of the laurel and rhododendrons, which were collected from the mountains near Elkins. It is seldom that a decoration requires the services of three men who have to travel 2700 miles, as in this instance. Three other helpers, in addition, were hired east, making six in all for the job. To give an idea of the size and beauty of the decoration we give the following memoranda of stock used: 1800 Kaiserin and 800 Bridesmaid roses, 200 Beauties, 1500 lily of the valley, 400 cut orchids, 500 strings of smilax, about 1000 strings of asparagus, with a very large quantity of laurel and rhododendrons and palms. It required six boxes of ribbon, and other things in proportion. It, unfortunately, rained during all the time after the decoration was set and no photograph could be secured.

The meeting of the Florists' Club on June 14 was poorly attended, presumably on account of the strike. The exhibition of mixed flowers was postponed until a fall meeting. M.

Indianapolis.

SEVERAL CHANGES IN BUSINESS.—NEW HOUSES TO GO UP.—PERSONAL DOINGS AND VARIOUS ITEMS.

R. F. Harritt, for a number of years manager of the Meridian Conservatories, has bought four acres of ground near Broadripple and intends to put up several large carnation houses equipped with all modern improvements, including a heater of his own invention.

Weishaar Brothers are to give up their place in Brightwood and Henry Weishaar will shortly erect seven houses and an office in Dounan street, with the intention of doing a general retail business.

Thus far only Ed. Bertermann and Henry Rieman have positively announced that they will attend the convention, the indications, however, point to a larger attendance from here.

Harry Balsley was in town last week receiving many good orders, one of which was from the Smith & Young Co., calling for 2500 of his bottomless violet pots.

The annual outing of the State Florists' Society will take place near Broadripple, the details to be announced at the next meeting of the club.

The suggestions of John Bertermann have once more put Fairview Park in a very presentable condition. H. J.

Chestnut Hill, Pa.

At the meeting of the Chestnut Hill Horticultural Society, Tuesday evening, June 12, President John T. Morris, just home from Europe, gave a brief mention of horticulture as he found it in the Old World. The judges of the evening's exhibits were Ernest Ashley, Richard Moore and Martin McTigue. The prize winners were:

W. Robertson, gardener to J. W. Pepper, first for lettuce, peas and hybrid perpetual roses and special mention for tomatoes.

W. Boyce, gardener to Randall Morgan, second for lettuce and certificate of merit for the finest strawberries on exhibition, losing the cash prize offered for best quart of berries by showing two quarts.

John Little, gardener to J. Lowber Welsh, first for quart of strawberries.

Frank Gould, gardener to John T. Morris, second for strawberries, first for radishes and collection of herbaceous cut blooms, and certificate of merit for specimen plant Clerodendron Balfourii.

Hans Reuter, gardener to C. W. Henry, special mention for vase of antirrhinum and certificate of merit for collection of sweet peas.

Henry Harris, gardener to Mr. Gratz, special mention for collection of sweet peas.

G. W. Brown, gardener to R. N. Carson, special mention for tomatoes.

Thomas Miller, special mention for platter of Rockford cherries.

The varieties of roses winning the honors were Paul Neyron, Alfred Colomb, Magna Charta and Brunner.

TOPEKA, KANS.—A. Reinisch, formerly of Lawrence, Kans., has been appointed superintendent of the Topeka city parks with offices in the city hall.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

For Fall Delivery.
FIELD GROWN ROSES, CLEMATIS,
Ornamental Shrubs, Twining Shrubs, Etc.
JACKSON & PERKINS CO., NEWARK, NEW YORK.
Our Mr. J. Austin Shaw is now in the west, and letters will find him sent in care of the Great Northern Hotel, Chicago, until further notice.

Large Elms.
25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Send to THE MOON Company
For Your { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO., Morrisville, Pa.

ASSORTED FERNS
In Flats,
Ready for Potting, $2.00 Per Flat.
Ampelopsis Veitchii,
Pot Grown, $6.00 Per 100.
BOBBINK & ATKINS
RUTHERFORD, N. J.

CRIMSON CLOVER SEED, growers' prices.
CELERY PLANTS only $1.00 per 1000.
CABBAGE and Potted Strawberry Plants.
Circular free. SLAYMAKER & SON, Dover, Del.

CUT FLOWER PRICE LIST.

	Per doz.
Beauties, long	$3.00 to $4.00
" medium	2.00 to 3.00
" short	.75 to 1.00
	Per 100.
Perle	3.00 to 4.00
Bride, Bridesmaid	3.00 to 5.00
Meteor	3.00 to 6.00
Roses, our sel., ass't.,	3.00
Carnations, extra select fancy	2.00
Fancy stock	1.25 to 1.75
Medium Grade	1.00 to 1.50
Callas and Harrisii	10.00
Daisies	.50 to 1.00
Lily of the Valley	4.00
Sweet Peas	.40 to .75
Paeonies	4.00 to 5.00
Corn Flower	.40
Smilax	15.00 to 18.00
Common Fern, 25c per 100, $2 pr. M.	

Paeonies FOR SCHOOL COMMENCEMENTS

And Other Purposes.

KENNICOTT BROS. CO.,

42 and 44 East Randolph St., CHICAGO.

Special Prices

FOR TEN DAYS ONLY.

GERANIUMS—Choicest varieties, true to name. Bruanti, best scarlet bedder in quantity, S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, La Favorite, White Swan, Mrs. J. M. Garr, Dr. Jacobia, Frances Perkins, Mme. Bruant, Mme. Jaulin and others, $2.25 per 100; $20.00 per 1000, strong 2½-in.; strong 4-in., 5c. Rose Geraniums, strong 2½-in., $2.00; strong 2-in., $1.50. Mme. Salleroi, strong 2-in. $1.50.

25,000 2½-inch ROSES—Brides, Meteors, Maids, Perles and Wootton, $3.00 per 100; $30 per 1000. Kaiserin and Golden Gate, $4.00 per 100. This stock is strictly first class.

Double Fringed PETUNIAS—Henderson's and Dreer's famous varieties, true to name, strong 2-in. $1.50.

COLEUS—Fancy sorts, separate colors, strong 2-in. $1.50.

AGERATUM, Princess Pauline—2-in. $1.50.

FUCHSIAS—Choicest varieties, 2-in. $1.50.

ALTERNANTHERA—Red and Yellow, strong 2-in. $1.50.

ALYSSUM and SALVIAS—Strong 2-in. $1.50.

GIANT COMET ASTERS—Pure white and mixed colors, 2-in. $1.50.

If you are in need of plants for stock, order *at once*, with the cash, please.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Please mention the American Florist when writing.

5000 Lady Campbell Violets.

Strong, Healthy Stock Plants.

$4.00 per 100. $35.00 per 1000.

H. A. JAHN, New Bedford, Mass.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

XXX SEEDS.

CHINESE PRIMROSE.

Finest large flowering fringed, single and double, fifteen varieties, mixed, 500 seeds, $1.00; ½ pkt., 50c.

PRIMULA OBCONICA GRAND. HYBRIDA.

The very finest of the improved Hybrid Obconicas, large flowering and choice colors, truly grand, 1000 seeds, 50c.

CINERARIA GRAND. NANA.

The finest large-flowering dwarf varieties, very showy, in choicest mixture; 1000 seeds, 50c.

PANSY, FINEST GIANTS.

The finest large-flowering varieties to be had, best colors and strong growing, mixed; 3500 seeds, $1.00. A packet of the grand new Forget-me-not "Triumph" added to every order.

THE HOME OF PRIMROSES. JOHN F. RUPP, Shiremanstown, Pa.

For PALMS Write to

WALTER RETZER & CO.,

WHOLESALE GROWERS,

2045-59 Clarendon Ave., (North Halsted St.) **CHICAGO, ILL.**

ARECA LUTESCENS 6-in. pots (3 plants), very husby, 24 in. ..@$1.00; $12.00 per doz.
8-in. pots (3 plants), very bushy, 26 to 30 in. ..@$2.00; $24.00 per doz.

KENTIA BELMOREANA 4-in. pots, 5 to 6 leaves, 15 to 18 in. $ 6.00 per doz.; $ 50.00 per 100
6-in. pots, 6 " 20 to 24 in. 18.00 per doz.; 150.00 per 100

KENTIA FORSTERIANA 4-in. pots, 4 to 5 " 15 to 18 in. 4.50 per doz.; 35.00 per 100
5-in. pots, 5 " 18 to 24 in. 9.00 per doz.; 75 00 per 100
6-in. pots, 6 " 28 to 30 in. 15.00 per doz.; $1.25 each.

Measurements from top of pot.

JOSEPH HEACOCK, Wyncote, Pa.

ACALYPHA SANDERI

2½-inch pots, $8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa.

POTTED VIOLET CUTTINGS.

Clear of all diseases, of the different varieties.

FARQUHAR	per 1000,	$20.00
CAMPBELL	"	15.00
PRINCESS OF WALES	"	12.50
LADY HUME, field grown plants,	"	15.00

Money must accompany all orders.
No California for sale now.

CREEN SPRINGS FLORAL CO.,
Louisa County, Waldrop P. O., Va.

VEGETABLE PLANTS.

	Per 1000
CABBAGE, Flat Dutch and others	$1.00
CAULIFLOWER, H. Early Snowball	1.50
PEPPERS, Bullnose Ruby King	1.50
BRUSSELS Sprouts	1.00

All Fine, Large Plants, Ready to Plant Out.

J. C. SCHMIDT, - Bristol, Pa.

VIOLETS

From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, $2.50 per 100, $20 per 1000.

GERANIUMS, plenty of S. A. Nutt and Bruanti at $6.00 per 100; also a few mixed at same rate; 3-in. at $3.50 per 100. Mme. Salleroi, 3-in., $3.50.

ALTERNANTHERA, from flats, $2 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

EXTRA FINE ....2-INCH Coleus

Golden Bedder and Verschaffeltii, $1 50 per 100, $14.00 per 1000.

MIXED COLEUS, $1.35 per 100, $13.00 per 1000.
MIXED FUCHSIAS, $1.50 per 100.

R. I. HART, Hackettstown, N. J.

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50

2½-inch Coleus, Crimson Verschaffeltii, Golden Queen and mixed colors, $2.00 per 100.

Cash With Order or C. O. D.

WM. A CLARK & SON, 59 State St., Watertown, N. Y.

Please mention the American Florist to our advertisers.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

On Friday evening, June 15, the following games were rolled:

Player	1st	2d	3d	Av
John Degnan	121	156	177	151
P. J. Hauswirth	131	105	180	139
E. F. Winterson	135	99	120	118
W. Kreitling	71	112	98	94

A match of ten games has been arranged between Hauswirth, Degnan and Winterson.

At New York.

The following are the scores of the New York bowling team on Monday, June 18:

Player	1st	2d	3d	4th	Av
Doulan				172	172
Lang	159	148	158		155
Schenck	140	154	150		148
Manda	154	149	137		147
Traendly	145	155	134		145
Burns	131	125	104		120
Marshall		89	133	124	115
Von Asch	115	108	89		104
Adams		84	86	80	83

At Flatbush.

The following is the record of the three games rolled June 14:

Player	1st	2d	3d	Av
A. Zeller	134	200	144	159
E. Dailledouze	151	163	153	156
P. Riley	150	158	149	152
L. Schmutz	139	133	161	144
C. Wocker	147	142	122	137
P. Dailledouze	123	125	131	126
H. Dailledouze	99	155	120	125
C. Woerner	87	85	117	96
C. Zeller	64	76	101	80

P. D.

Lord & Burnham Co.'s Bowling Trophy.

The illustration given herewith shows the handsome trophy that is to be offered by the New York Florists' Club at the annual tournament for competitian between the various clubs, the club making the highest score in the three games to hold it for one year and to be offered for competition at the next annual tournament. Sould the same club win it twice in succession it becomes the property of that club.

At Omaha.

Our bowlers are practicing up preparatory to going to New York to trounce those Philadelphians and other crack players. As yet we have not reached our true form, but this is what we did after the last club meeting:

Player	1st	2d	3d	Av
Hess	145	162	178	161
Hadkinson	152	161	160	158
Henderson	135	168	159	154
Faulkner	136	154	170	153
Swoboda	150	145	161	152
Floth	155	138	148	147
Paulson	136	145	140	140

L. H.

At Philadelphia.

There has been some good rolling on the alleys of late. Games of 180 and over are quite common, while scarcely a day passes that some ambitious bowler does not have a 200 or over to go on the board. Hamilton, one of our associate members, and the crack bowler of the club, put up a new record one day last week, making 998 points in five games. Here they are in the order they were played, 165, 190, 224, 219, 200. This gives him the record for the best five, the best four, and first for the best three consecutive games. Harris, who was a little off for a while, is now in form again and grumbles if his average falls below 165. Anderson and Westcott are also in fine shape and pretty sure of a place on the team. The final rounds of the contest for places on the team for the convention tournament will commence on outside alleys, each match on a different alley, the first week in July. There will be four matches of three games each between the twelve members of the club who have made the highest average in 100 games during the past six months. The six men having the highest averages in these July games will constitute the team, the next two highest going along as substitutes. K.

THE LORD & BURNHAM COMPANY'S BOWLING TROPHY.

Omaha.

SATISFACTION WITH SPRING TRADE.—COMMENCEMENTS CALL FOR BEAUTIES.—THE CLUB MEETS.

The florists are about through with their spring work and all are well pleased, for there has been a good demand for cut flowers and plants all through the season. The graduating exercises seem to come earlier than other years, and to bring a larger demand for American Beauties.

The Florists' Club meeting was well attended last Thursday evening, June 14. It was a good, sociable crowd and made plans for a picnic in July and a trip to Mr. Hesser's palm garden at Plattsmouth. The question box always brings something of interest; one question was: "What can be done to introduce horticulture as a study in all state institutions and in public schools?"

J. W. & E. E. Arnold report a big business ever since last fall. They are busy building new benches in their old houses and will shortly put up two new structures. L. H.

RACINE, WIS.—Mrs. C. W. Pike, of this place, now informs us that she has not closed her place of business and that she will not do so at present.

San Francisco.

MUCH STOCK AVAILABLE BUT LITTLE BUSINESS DOING.—CLOSE OF A GOOD SHIPPING SEASON.—VARIOUS ITEMS OF INTEREST GLEANED FROM AMONG THE TRADE.

Business is very quiet at present. The market has a good supply of flowers of all kinds but there is practically nothing doing. The stores are all full of good roses, but the largest percentage of them are consigned to the waste barrel. Sievers' carnations sell better than any other sorts. Lilium Harrisii is scarce but we note some auratums coming in which sell readily. There are plenty of sweet peas to be had at almost any price offered. Shipping trade for this season is almost over. All things considered it has been a very favorable year for shipping and the outlook for next season is brighter than ever.

P. O'Hearn, at San Mateo, has thoroughly overhauled his greenhouses and is planting all the new carnations. His chief sorts will be Ethel Crocker, Olympia, Estelle and Leslie Paul.

John Gilmore is preparing to receive a large shipment of young rose plants with which to stock his new range of glass All his stock is coming from the east.

James Milan, assistant superintendent of Golden Gate Park, has been very busy of late in the planting of lawns and shrubs at Union Square.

Frank Pelicano has returned from a vacation trip to Mt. Diablo.

Jas. DeBono, who has been with I. Jaeger & Co. for several years, left recently for Cape Nome.

John O'Hearn has been appointed head gardener at Alvinza Hayword's place at San Mateo. METEOR.

EVANSVILLE, IND.—J. D. Carmody reports that he is shipping ventilating and other greenhouse apparatus quite extensively to Canadian points.

DENNISON, TEX.—E. Farley is building two houses 20x65, one for roses and one for carnations. This is the best spring he has had, school closing bringing much business and plant trade being unprecedented.

PRICE LIST.

ROSES.

Beauties, long	per doz	$3.00—$4.00
" medium	"	1.50— 2.00
" short	"	1.00—
Brides and Maids	per 100,	4.00— 5.00
Meteor	"	5.00— 6.00
Perles	"	4.00—
Roses, seconds	"	3.00—

CARNATIONS.

Standard sorts, select	per 100,	$1.50—
Fancy, "	"	2.00— 3.00

MISCELLANEOUS.

Peonies	per doz.,	$ .50— .60
Harrisii, $8.00 per 100,	"	1.25—
Callas	"	1.25—
Mignonette	"	.25—
Valley	per 100,	4.00—
Sweet Peas	"	.40— .60
Marguerites	"	.50—
Cornflower	"	.40—

DECORATIVE.

Asparagus	per string,	$ .50—
Galax, green and bronze, per 1000, $1.50	per 100,	.20
Ferns	$2.00 per 1000, "	.25
Ferns, Maiden Hair, choice	"	.75—
Smilax	per dozen,	2.00—

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
ALL STOCK BILLED AT MARKET RATES.

SHIPPING ORDERS

Are what we want. It isn't every flower which will stand shipping at this season, but we have large supplies from the best growers of Beauties, Tea Roses and Carnations; stock which will travel. Write us about it.

E. C. AMLING,

WHOLESALE CUT FLOWERS.

32-34-36 Randolph Street, CHICAGO.

BUY NOW

PROPAGATING STOCK for Next Year.

	In. pots	Doz.	100
New Hibiscus, Peachblow, double pink flowers	2½	$1.00	$8.00
New Ageratum, Stella Gurney, dwarf blue	2½	.75	5.00
New Salvia, St. Louis, extra large flower spikes	2½	.75	5.00
New Silver-Leaved Geranium, Wm. Langguth, dbl. red flower,	2½	1.50	10.00
Acalypha Sanderi (chenille plant)	3	1.00	6.00
New Rose, Evergreen Gem, strong,	2	1.00	8.00
New Rambler Rose, Helene	2½	1.00	8.00

BOSTON FERNS. We have the largest and finest stock in the West. All well-grown, bushy plants in all sizes. Write for prices.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at **$2.00 PER 100** and up.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

ROSES and CANNAS.

Am. Beauties, 3-inch, $6.00 per 100. Pres. Carnot, 3-inch, $6.00 per 100. Souv. de Wootton, 4-inch, $7.00 per 100.

Paul Brunt, deep red; Chas. Henderson; A. Ferrier, bronze; F. Vaughan; started plants, $6.00 per 100.

ROBERT F. TESSON, West Forest Park, St. Louis.

LOOK Before You Jump!

I have on hand good, strong, healthy plants, from 3-in. pots:

1300 KAISERINS, 600 MAIDS,
2000 BRIDES, 450 LA FRANCE,
500 METEORS, from 4-in. pots,
100 HERMOSA,
500 SALVIA SPLENDENS.

What will you give me for what you want?

3-IN. FERNS at $6 per 100, $50 per 1000, including Adiantum cuneatum.

Will ship according to instruction, c. o. d., subject to examination at express office.

M. F. LaROCHE, Agt., - Collingdale, Pa.

SMILAX, From Pots, Ready Now.

$1.50 per 100, $15 per 1000.

Asparagus Plumosus,

From 3-in. Pots, Ready July 15th,

$6 per 100, $50 per 1000.

You will make no mistake in sending me your order; this stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

New Double Begonia Semperflorens

(Lemoine's New Double Begonias).

BOULE DE NEIGE, double white,
NANCY, double light pink,
GLOIRE DU MONTET, double pink,
TRIOMPHE DE LORRAINE, double cerise or cherry color, or very dark pink.

35c each; the set for $1.00, free by mail.

Money Order Office, Chestnut Hill, Sta. H, Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co. PA.

Always mention the American Florist when you order stock.

Chrysanthemums.

Now is the time to plant them. We offer extra fine, vigorous plants from 2 and 2½-in. pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY.	Per 100	MIDSEASON.	Per 100
Ivory	$3.00	Major Bonnaffon	$3.00
M. Henderson	3.00	Wm. Simpson	3.00
Geo. S. Kalb	3.00	V. Morel	3.00
Merry Monarch	3.00	G. W. Childs	4.00
Willowbrook	4.00	H. W. Longfellow	3.00
M. de Montmort	3.00	Mrs. Murdock	3.00
Mrs. J. Whilldin	3.00	Mrs. T. L. Park	6.00
John K. Shaw	5.00	Black Hawk	4.00
Golden Trophy	3.00	Mrs. C. H. Pierce	3.00
Glory of the Pacific	3.00	Mrs. H. Robinson	3.00
		Nivens	3.00

LATE.	Per 100	LATE.	Per 100
Mrs. J. Jones	$4.00	Nagoya	6.00
Liberty	4.00	Xeno	6.00
Merry Xmas	4.00	Adula	3.00
Autumn Glory	3.00	Harry Balsley	3.00
E. Dailledouze	4.00	Mrs. Baer	8.00
Golden Wedding	4.00		

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

Chrysanthemums.

FOR ALL PURPOSES.

NOVELTIES And STANDARD VARIETIES.

Send Us a List of Your Wants for LOWEST CASH PRICES.

NATHAN SMITH & SON, Adrian, Mich.

CHRYSANTHEMUMS

Cullingsfordii	Mrs. Jerome Jones
Glory of Pacific	Mrs. S. T. Murdock
Ivory	Mme. F. Bergmann
Minerva	Rose Owen
Mrs. J. C. Whilldin	The Queen

And other varieties from 2½-in. pots, $2.00 per 100.

ASTER

SEMPLE and **VICTORIA** plants from seed bed, 25c per 100, $2.00 per 1000.

CASH WITH ORDER

R. VINCENT JR. & SON, White Marsh, Md.

Washington.

REPORTS OF THE BEST JUNE BUSINESS ON RECORD.—KRAMER TO BUILD AN ADDITION.

Trade is still on the move, especially for commencements but on account of the continued rainy and cloudy weather, which kept up all last week, choice flowers are rather scarce. Wm. F. Gude says that this has been the best June since they have been in the business. Z. D. Blackistone reports that business has held up very well.

F. H. Kramer will build a new house for roses and carnations. It will be 30x125 feet and heated by hot water.

P. G.

Providence, R. I.

The monthly meeting of the Florists' and Gardeners' Club of Rhode Island was held in the Franklin building in this city on Thursday evening, June 14, and was largely attended. The principal topic of discussion was the trip to the annual convention of the Society of American Florists, to be held in New York city in August. It is expected that there will be a delegation of nearly 100 from here. Upon invitation of President James Hocking, it was voted to hold a picnic some time in July upon the grounds of the Dunnell estate at Pawtucket. An interesting feature of the meeting was the exhibition of seedling carnations by the originator, Wm. Maxfield, of Barrington Center. Walter Nichol, of Barrington, showed some good new sweet peas.

SIMCOE, ONT.—H. H. Groff will make a large display of gladioli at the Pan-American Exposition.

Rose Plants.

	Per 100	Per 1000
METEOR, 3½-inch pots	$5.00	$40.00

Potted and repotted four times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.

The Home of Adiantum.

500,000 fronds, finest Adiantum Cuneatum ever grown, well hardened, splendid keepers, ship any distance,

1000 lots, $7.50; 500 at 1000 rate.

ANCHORAGE ROSE CO., Anchorage, Ky.

CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

BEGONIA GLOIRE DE LORRAINE

Plants from 2-inch pots,

$2 50 per dozen; $17.50 per hundred.

Money Order Office, Chestnut Hill, Sta. H. Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co., Pa.

FORCING ROSES

TH S IS NOT SURPLUS STOCK. IT HAS BEEN GROWN ESPECIALLY FOR WINTER BLOOMING, AND WILL GIVE SATISFACTION TO THE MOST CRITICAL BUYERS.

		Per 100
AMERICAN BEAUTY	3-in.	$7.00
BRIDE	3-in.	4.00
BRIDE	4-in.	6.00
BR DESMAID	2½-in.	3.00
BRIDESMAID	4-in.	6.00
PERLES	3-in.	4.00
METEOR	2½-in.	3.00
MME. C. TESTOUT	2½-in.	$3.00
GOLDEN GATE	2½-in.	3.00
GOLDEN GATE	3-in.	4 00
MAID OF HONOR	2½-in.	3.00
MAID OF HONOR	3-in.	4.00
SOUV. DE WOOTTON	3-in.	4.00

Also a fine stock of **Maidenhair Ferns.** **Adiantum Cuneatum**, 3-in., 75c per doz., $5 per 100.

Terms: CASH WITH ORDER. Address

Forest City Greenhouses. **H. W. BUCKBEE, ROCKFORD, ILL.**

40,000 FIRST QUALITY FORCING ROSES.

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

WOOTTON, LA FRANCE, AMERICAN BEAUTY, PRESIDENT CARNOT,
3-inch pots, $8.00 per 100 4-inch pots, $12 00 per 100.

METEOR, KAISERIN, SUNSET, BRIDESMAID, BON SILENE, MERMET,
PERLES, CONTIER, NIPHETOS, BELLE SIEBRECHT, MME. HOSTE, BRIDE.
3-inch pots, $7 00 per 100. 4-inch pots, $10 00 per 100.

J. L. DILLON, - BLOOMSBURG, PA.

BRIDESMAID ROSE PLANTS!

I have still left a few thousand in 2-inch pots in splendid condition.

STEPHEN MORTENSEN, (Near Phila.) **SOUTHAMPTON, PENNA.**

AMERICAN BEAUTY

Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

To Close Out.

METEORS in 4, 3 and 2½ in.
MAIDS in 3, 2½ and 2-in.
BRIDES in 3 and 2-in.
PERLES in 3, 2½ and 2-in.
KAISERINS in 2½ and 2-in.
LA FRANCE in 2½ and 2-in.
BELLE SIEBRECHT in 2½ and 2-in.
GOLDEN GATE in 2½ and 2-in.
WOOTTONS in 3, 2½ and 2-in.
SMILAX in 2-in.

We believe in shifting young roses often. All stock offered in 2½-inch pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established.

23 Houses, 60,000 Feet of Glass. Write

GEO. A. KUHL, Pekin, Ill.

Send $1.00 for samples of what you want; that way you see what you get. Satisfaction guaranteed.

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THE JENNINGS STRAIN of Show and Fancy Pansies. New Crop Seed Now Ready.

My 1900 strain is of the highest standard and cannot be excelled by any. Finest mixed, 2500 seeds, $1.00; ½-oz., $2.50; oz., $5.00. Yellow, white, blue and black, in seperate colors, 50c per pkt., postpaid by mail. Small Pansy Plants, 60c per 100 by mail. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies,
Lock Box 254. SOUTHPORT, CONN.

20,000 ROSES

Am. Beauties in 3-in. $7.00 per 100; $65.00 per 1000; 3½-in. $8.50 per 100; $75.00 per 1000. Kaiserin and Golden Gate, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $5.00 per 100; $45.00 per 1000. Perles, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $4.50 per 100; $40.00 per 1000. Brides, Bridesmaids, Meteors, Mme. Garrett and a few Mermets, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $4.50 per 100; $40.00 per 1000. These are fine. Send for sample. Cash with order. **Mrs. I. W. Crouch, Chattanooga, Tenn.**

There are buyers for all kinds of stock advertised in the American Florist.

ROSES

Grown for our own planting, and we guarantee them to be STRICTLY A No. 1 in every particular. We have surplus of 2000 Bridesmaids, 500 Beauties, 300 Meteors, 250 Perles, 150 Kaiserins, all in 3-inch, at $3.50 per 100; Beauties, $4.50 per 100.

G. VAN BOCHOVE & BRO.,
KALAMAZOO, MICH.
Please mention the American Florist when writing.

BRIDES and MAIDS,

2½-in., ready for a 3-in. shift

CASH WITH ORDER. **$3 00 a 100, $25.00 a 1000.**

J. B. HEISS,
The Exotic Nurseries. DAYTON, O.
Please mention the American Florist when writing.

Perles = Perles

Some very choice strong 3-in and 2¼-in. Perles for the first comers. Fine stock for early flowers. . . . .

W. H. GULLETT & SONS, Lincoln, Ill.
Please mention the American Florist when writing

3000 2½ & 3-in. BRIDES-3000 2½ & 3-in. MAIDS
500 2½ & 3-in. METEORS

All at $3 00 per 100, $25.00 per 1000.

Stock in good healthy condition. Order now.

FREY & FREY, LINCOLN, NEB.

Chrysanthemums

Ivory, Bonnaffon, Mrs. Robinson, Merry Monarch, Bloodgood, from 2-in. pots $1 75 per 100 $15 per 1000. CASH. **H. DANN & SON, Westfield, N. Y.**

Roses for Florists

OUR Rose Plants are all grown for the trade. We do not grow cut flowers. Such plants, we claim, are well worth more money than ordinary *surplus* stock.

Our Roses are all shifted from 2-inch pots and equal to most stock usually sold as 3-inch.

	2½-in., per 100	3½-in., per 100
American Beauty	$6.00	$12.00
Brides	3 00	8.00
Bridesmaids	3 00	8 00
Perles	3.50	9 00
Kaiserin	4.00	10 00
Meteor	3.00	7.00
Woolton	5.00	
Golden Gate, 2-in.	3.00	
Sunset	4.00	10.00

Bedding Roses, in 2-in. pots, strong stock, in variety, $2.50 per 100, $20 per 1000.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

ROSE PLANTS

		Per 100	Per 1000
METEOR, BRIDESMAID, BRIDE, LA FRANCE	2½-in. pots,	$3 00	$25.00
	3 " "	4 00	35.00

AMERICAN BEAUTIES, lifted from benches, $2.50 per 100, $20.00 per 1000.

LA FRANCE, lifted from benches, $2.50 per 100, $20.00 per 1000.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

ROSE PLANTS

Good, Healthy Stock.

BRIDESMAIDS, KAISERINS	3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES	2½-in., $3 per 100, $25 per 1000.

Cash With Order.

Martin A. Magnuson,

3309 N. Western Ave., CHICAGO, ILL.

Rose Plants.

FIRST-CLASS STOCK.	Per 100
AMERICAN BEAUTIES, 2½-inch	$4.00
AMERICAN BEAUTIES, 3-inch	6 00
BRIDESMAIDS, 3-inch	3.50
BRIDES, 2-inch	3.50

ALLEN & OCKERLUND,

114 Winona Avenue, CHICAGO, ILL.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

Young Beauty and Rose Plants

WE OFFER

The following stock, subject to previous sale. Plants are first class in every way.

		Per 100	Per 1000
3000	Am. Beauties, 2-in. pots,	$6 00	$50.00
4000	Meteors " "	3.00	25.00
3000	Bridesmaids " "	3 00	25.00
4000	Brides " "	3 00	25.00

All Orders will be Shipped from Hinsdale.

BASSETT & WASHBURN,

76 and 78 Wabash Ave., CHICAGO, ILL. Greenhouses, Hinsdale, Ill.

LAST CALL !!

8,000 METEOR ROSES

FROM 2½-IN. POTS,

WISHING to clean out to make room for planting, will offer above for $20 per thousand. Also have left

8,000 Brides, 2½-in. Pots.

AT $25 PER THOUSAND.

This stock is A1 in every respect and as good as any we have sent out, which has given general satisfaction.

J. A. BUDLONG, 37-39 RANDOLPH ST., CHICAGO.

Please mention the American Florist when writing.

ROSE PLANTS

		Per 100	Per 1000
AMERICAN BEAUTY	2½-in.	$5.00	$45.00
METEOR	"	3.00	25 00
BRIDE	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
PERLE	"	3.50	30.00
AMERICAN BEAUTY, lifted from benches			35.00

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave., CHICAGO, ILL.

LEADING CHRYSANTHEMUMS.

White—Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jones, Independence, Weeks, Frank Hardy; **Yellow**—Golden Trophy, Henderson, Johnson, O. P. Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch; **Pink**—Maud Dean, Montmort, Glory de Paolic, Morel, Perrin, Murdock; **Bronze**—Chas. Davis; **Red**—Geo. W. Childs, out of 2½-in. pots, $2 per 100, $18 per 1000.

Also **White**—Lady Fitzwygram, Mayflower, Chadwick and Western King; **Yellow**—Pennsylvania, Golden Wedding, Yellow Jones, H. W. Rieman; **Pink**—Autumn Glory; **Red**—Defender, Schrimpton; **Bronze**—Lady Hanham; 2½-in. pots, $2 50 per 100, $22 50 per 1000; 500 or more at 1000 rates.

ROSES, Bridesmaids and Brides, 3-inch, $4 per 100, $35 per 1000; ready for benching. Meteors, 2½-inch, $2.50 per 100.

Terms cash, or will send C. O. D.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

Please mention the American Florist when writing

ROSE PLANTS

		Per 100	Per 1000
Am. Beauty,	2½-in. pots	$5.00	$45.00
"	3 " "	6.00	55.00
Kaiserin,	2½ " "	3.00	25.00
"	3 " "	4.00	35.00

Bride, Bridesmaid, Perle, Meteor, Golden Gate, 3-in. pots, $4 per 100, $35 per 1000; 2½-in. pots, $3 per 100, $25 per 1000.

PETER REINBERG,

51 Wabash Ave. CHICAGO.

Orange, N. J.

At the meeting of the New Jersey Floricultural Society, on June 6, reports were received from committees and a general clearing up ensued prior to the summer vacation. The feature of the evening was a display of President Carnot roses, grown by Geo. Smith, in the open, which received the society's first class certificate. A vote of thanks was given C. W. Ward and Messrs. Hitchings & Co. for valuable assistance to the society in the recent distribution of plants to the school children, and the committee was released with a vote of thanks of the society.

Henry Bird, upon invitation of the society, exhibited and explained the use of his new self-watering seed, spore, cutting and propagating pot, which not only received the certificate of the society but, upon recommendation of the judges, the society gave it its endorsement by a unanimous vote. The pot presents the appearance of an ordinary 10-inch pot; about two inches from the top is a groove running around the pot without lip or flange, communicating with the interior with eight or ten holes. A piece of woolen yarn is placed in the groove encircling the pot and terminating in the feed water jar. The earth is kept in a state of moisture by capillary attraction.

Under the old method of surface watering spores and many very small seeds are often washed away and those that grow come up very unevenly. If Mr. Bird's invention obviates all this tronble, which those who raise many plants from seed well understand, it will be of great value. J. B.

WESTFIELD, MASS.—Mrs. E. M. Mesick has decided to go out of business and has already closed her florist store on Chapel street.

TIFFIN, O.—Lewis Ullrich has begun the erection of a carnation house 20x100, has excavated for a mammoth boiler pit and an eighty-foot smoke stack is under way.

FLORISTS' ORCHIDS

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SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Orchids!

We have in transit and due shortly: Lælia purpurata, L. grandis lenebrosa and Oncidium Varicosum Rogersii. On hand we have Cattleya Percivalliana, C. Massiae, Lælia anceps and L. autumnalis.

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Orchid Growers and Importers.

ROSES, Brides, Maids, Meteors and Golden Gates, extra fine clean growing stock, 4-in., $6.00 per 100; 3-in., $4.00 per 100.
GERANIUMS, S. A. Nutt and others; 2½-in., $2.50 per 100; 3-in., $4.00 per 100; 4-in., $5.00 per 100.
ASPARAGUS Plumosus seedlings, $3.00 per 100.
" Sprengerii seedlings, $2.50 per 100.
NEP. COROATA COMPACTA, 3-in., $5.00 per 100; from bench, fine, $25.00 per 100.

CASH PLEASE. **Carl Hagenburger,** W. Mentor Ohio.

VINCA VAR.

From 2½-in. pots.................per 100, $2.50
" 4 " " .... " 6.00
" 6 " " .... " 15.00

Also several hundred **GERANIUMS,** strong, with bulbs and flowers, from 4-in. pots, $6.00 per 100.

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"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

The mower and reaper succeeded the scythe; the thresher succeeded the flail—but never until now has a machine been invented to take the place of the antiquated hand rake. The machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind, stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. ☞A CHILD can run it.
Just the thing to fight crab grass.
It will save its cost in 60 days on any good lawn.

Send for Particulars.

FINLEY LAWN RAKE CO.,
JOLIET, ILLINOIS.

When writing mention American Florist.

Last Call.

			Per 100
10,000	Coleus, named, our selection	2¼-in.	$1.50
5,000	Geraniums, named and mxd.	2¼ "	2.00
500	Maidenhair Fern	2½ "	4.00
3,000	Iresines, red and yellow	2¼ "	1.50
1,000	Alternanthera, large-leaved	2½ "	1 50
1,000	Red Vernon	2¼ "	1.50
1,000	Erfordi	2¼ "	1.50
2,000	Begonias, mixed	2¼ "	1.50
500	Lygodium Scandens, climbing fern	2½ "	4.00
1,000	Fuchsias, mixed	2¼ "	1.50
300	Asparagus plumosus	7 "	20.00

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MORRIS, ILL.

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OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

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Fine, strong Seedlings from Flats, 50c per 100, $3.00 per 1000.

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Cabbage Plants Premium Flat Dutch and Late Drumhead, first-class plants at 15c per 100, $1.00 per 1000, $8.50 per 10,000.

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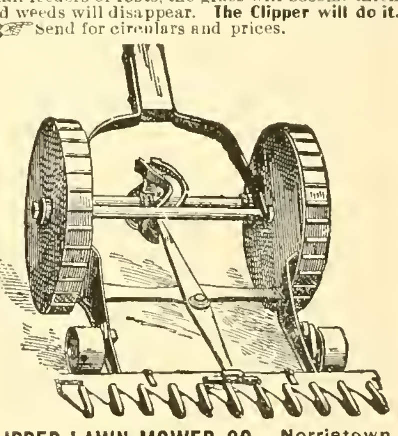
A good adv. in a good paper will bring good returns.

THE MOWER

THAT will **KILL ALL THE WEEDS IN YOUR LAWNS.**
If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. **The Clipper will do it.**
☞Send for circulars and prices.



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Bargain in Choice Plants

PANDANUS Veitchii, 4-in., fine, $6.00 per doz.
FICUS, top cuttings, 4-in., strong, $3.50 per doz.
FUCHSIA. Lord Byron, 2½-in., 75c; 3½-in., $1.00; 4-in., $1 50 per doz.
CHRYSANTHEMUM. Little Chris, perpetual white, 2½-in., $1.00; 3½-in. in bud and bloom, $2.00 per doz.
CLIVIAS. strong imported, large flowering, $2.50 to $6.00 per doz.
ROSES Hermosa, Soupert, Gontier, 4-in., fine $2.00 per doz., $15.00 per 100.
PETUNIAS. Dreer's best double, 3½-in., $5 per 100.
GERANIUMS, Nutt, Pilot, Surpass Queen, Bruant John Doyle, 2½-in., $3.50; 3½-in., fine, $6 per 100; double and single mixed, 2½-in., $2 50; 3½-in. $4; 4-in., very fine, $6 per 100. **ALTERNANTHERA,** red, $2.50 per 100. **SALVIAS,** dwarf scarlet, 2½ in., $3.50 per 100. Address

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FORBES' Grand New BEGONIA **CALEDONIA**

(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

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Boston Florist Letter Co.

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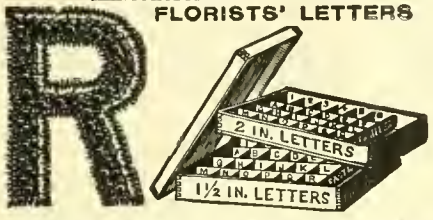

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Cut out of well-seasoned lumber, straight grained, ¼ inch square; a decided improvement over the cane or bamboo. Cut any length desired; always ready for use; 3 ft. at $1 50 per 1000, 3½ ft. at $2.00 per 1000; 4 ft. at $2.50 per 1000; 4½ ft. at $3.00 per 1000; F. O. B. Indianapolis. Remember the freight is cheaper than on cane stakes.

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CAPE FLOWERS 90c per pound. CYCAS LEAVES Raw or prepared.

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GREEN SILKALINE
Just the shade of the foliage.
Samples and prices free.

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No. 1—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-in. pots, each, $1.75.

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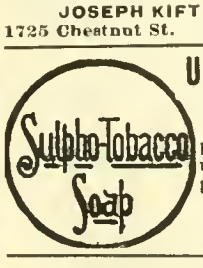

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Cincinnati.

MEETING OF THE CLUB.—ELECTION OF OFFICERS.—WITTERSTAETTER GETS THE ENQUIRER MEDAL.—CRITCHELL BECOMES SUPERINTENDENT OF PARKS.

On June 9 the annual meeting of the Cincinnati Florists' Society was held at the club rooms and it was decided that our annual outing and picnic be held at Lookout Park on July 25. After the regular business had been transacted the election of officers took place with the following result: President, W. Murphy; vice-president, R. Witterstaetter; secretary, Geo. Bartlett; treasurer, Frank Ball; director, Ben George. The McLean gold medal won for R. Witterstaetter by Enquirer carnation was presented to him by President Murphy, and at the close of the meeting speeches were in order as usual.

A few days ago a party of Cincinnati florists made a flying trip to Dayton and the Soldiers' Home. This is a most picturesque spot. The floricultural features have been changed somewhat, more blooming plants being used and carpet bedding rather discarded. Several large specimen palms thirty feet high, such as chamærops, corypha and seaforthia, and araucaria seen here are as fine as any in this country. We made a short call on J. B. Heiss and found his place in the very best of condition. Mr. Heiss has been making palms one of his specialties for the past few years, and, judging from his young stock, will be able to supply his trade better than ever. He reports spring sales as fifty per cent greater than last year.

The Board of Public Service has appointed B. P. Critchell superintendent of parks to succeed R. H. Warder. The appointment, while it gave no little surprise, was none the less deserved, for Mr. Critchell, besides being in thorough sympathy with the new administration, is known not only in Cincinnati but throughout the trade as a man eminently qualified to carry forward the much needed improvement in the parks.

There seems to be very little change in the cut flower market this week; the over supply continues, with slow demand. Planting is about done and the market florists report a satisfactory spring trade. Scarlet geraniums were in the lead and sold at $1 per dozen in 4-inch pots.

Gus. Scheibely, until recently employed at the city greenhouses, died June 7, at the age of 27 years. H. SCHWARZ.

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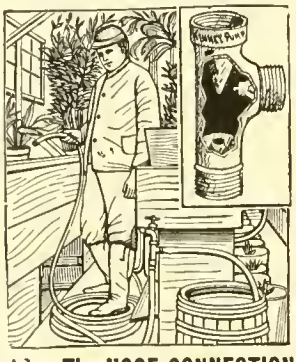

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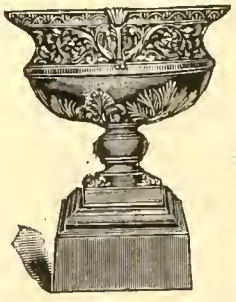

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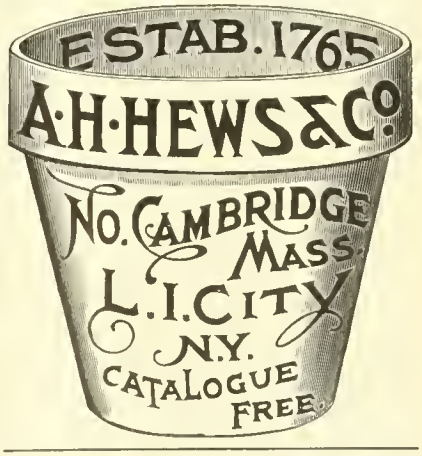

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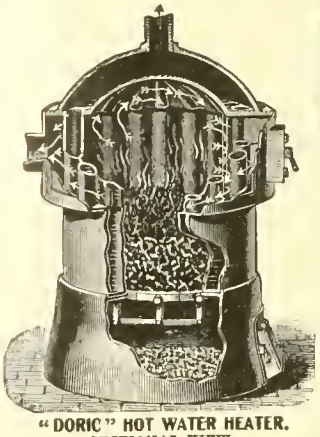

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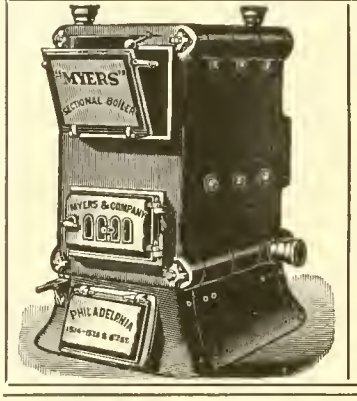

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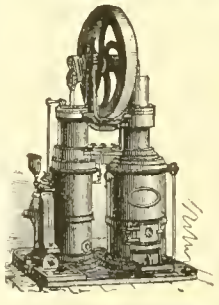

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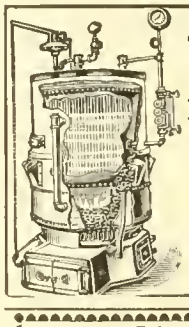

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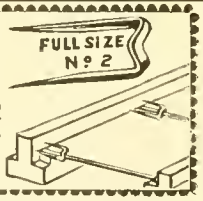

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Vol. XV. CHICAGO AND NEW YORK, JUNE 30, 1900. **No. 630.**

THE AMERICAN FLORIST

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324 Dearborn St., Chicago.

Eastern Office: 67 Bromfield St., Boston.

Subscription, $1.00 a year. To Europe, $2.00.

Subscriptions accepted only from the trade.

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AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Notes on Plant Growing.

From time to time there appears to be a revival of interest in some of the old-time favorites among foliage plants, and in this connection we are again reminded of the dracænas, or more properly the cordylines. A little greater variety among the house plants which the retailer may recommend to his customers would be of advantage to the trade, but we must always keep in mind that most plant buyers require their purchases to remain in a presentable condition for more than a week after they are received, and also that the conditions to which the plants will be exposed are abnormal ones. It is these conditions that restrict the retailer from using many beautiful plants that could readily be grown if they could be satisfactorily used.

Some of the dracænas, however, and especially those belonging to the terminalis section, may be grown into shapely and attractive plants in a reasonable time, and, providing they are not sent out in too soft a condition, will stand the window garden test fairly well. Among the first points to be considered should be the fact that these plants are best grown quickly so as not to be stunted or receive a check in any way, either by getting too cold, too dry, or too much root-bound before being shifted from one size of pot to another.

If clean and healthy young plants in about 3-inch pots can be secured it is probably more satisfactory for the grower of a small lot to begin in this way, rather than by getting some stems or canes with the idea of raising young stock for himself, for these imported canes are not always in first-class condition, and will also occupy space for some time before the young shoots can be taken off.

Owing to the fact that many of our cultivated dracænas are subject to a disease or spot, it becomes necessary to carefully examine the young stock that may be purchased, else the labor of the season may be ultimately lost by the production of a batch of unsightly and unsalable plants. This disease shows itself while the plants are quite small, if they come from infected stock, the disease appearing in the form of spots and discolorations on the leaves, first yellowish and finally brown, and cause the premature loss of the lower foliage.

Having secured the aforesaid clean stock of plants in 3-inch pots, we proceed to give them a shift to 4-inch pots just as soon as they are nicely rooted, using for this purpose a good, fibrous loam or rotted sod, to which has been added about one-fifth its bulk of stable manure and enough bone dust to whiten the outside of the soil heap before mixing. Keep the drainage of the pots open, for the plants will need considerable water, and in setting the plants on the bench allow them space enough to keep them stocky and short-jointed.

Moderate shading is required on the house, and a rather close atmosphere for a time, syringing the plants twice a day on bright days, and shutting down the ventilators by about four o'clock in the afternoon unless the weather is very hot. In fact, to get the most rapid growth on plants of this character, I prefer to shut the house for an hour or two in the late afternoon anyway, though some ventilation should be given again before sundown. This kind of a steam bath for a short time near the close of day revives and stimulates the plants in much the same way that a summer thunder shower acts on the outdoor vegetation after a day of intense heat.

The plants having become nicely established in 4 inch pots, which should be in the course of five or six weeks, they may be shifted to the 6-inch size, this being large enough for most purposes. A moist atmosphere must be continued and syringing done vigorously to prevent attacks of red spider and thrips, but as the plants get color and approach their selling time it is well to give air much more freely in order to harden them, the object being to avoid fault-finding on the part of a reasonable purchaser.

These brief remarks apply especially to Dracæna terminalis or D. ferrea striata, these two being among the most satisfactory to the trade grower. D. Braziliensis and D. congesta are also useful, being strong growing and tough in foliage, though much less pleasing in color than the preceding. W. H. TAPLIN.

The Question of Sub-Irrigation.

The time for filling benches having arrived, a few words about the most approved methods of bench construction may be of interest. Sub-watering will eventually be accepted as a feasible and practical plan of irrigating plants grown in benches. Its value is beyond question and it only remains for growers to make use of it. Sub-watering in the greenhouse has many advantages over surface watering, among them, that it affords an abundant supply of water to all parts of the soil at all times, thorough drainage and aeration of the soil, a perfect

mechanical condition of the soil, a saving of labor in the application of water and a marked gain in yield and earliness of crops. At the Wisconsin Experiment Station, in the case of one crop of lettuce grown by this method, a gain over surface watering of forty per cent was obtained. The average gain on over fifty trials was twenty-six per cent.

If the water is judiciously applied from the start, a very high percentage of moisture may be maintained in the subsoil with a dust-like mulch on the surface, a condition highly desirable in the culture of certain crops, such as carnations, for instance. More skill is required in applying water by this method than in surface watering. The water should be applied slowly at first and sufficient time should be allowed for it to be taken up by capillary attraction before applying more.

The exceptional vigor and increased yields of the crops grown by this method are probably due almost wholly to the abundant supply of water in the soil. The texture of the soil used, when subwatering is employed, is of but slight importance, from the fact that the soil particles are not brought closer together by successive waterings, as in surface watering; therefore very heavy soils remain in excellent physical condition. The methods and materials employed in the experiments in sub-watering at the different experiment stations are diverse, but the results obtained have been uniformly in favor of sub-watering over surface watering.

The essentials for the work are a level bench, practically watertight and a foundation of some porous material of sufficient depth to allow of a free and even distribution of large quantities of water over the bottom of the bench when rapidly applied. At the Wisconsin Experiment Station charcoal, brick, brickbats, flat tile and round tile laid close together have all been employed and good results obtained from each. A bench fitted for sub-watering by placing on a water tight bottom a layer of one inch of fine gravel and two inches of coarse sand, separated by a thin layer of sphagnum, has given excellent results.

FREDERIC CRANEFIELD.

Begonia Gloire de Lorraine.

The accompanying illustration, reproduced from a photograph, is printed to show the adaptability of this plant to conditions which it is found, with a great majority of our decorative plants, are least conducive to healthy growth, viz., those which obtain in the rooms of dwelling houses. The specimen here represented had not even the advantage of a bright suburban or country room, but stood through winter and spring in the atmosphere of a city apartment house, retaining its foliage perfectly and blooming profusely all the time.

Culture of Herbaceous Calceolarias.

[By Wm Kleinheinz, gardener to P. A. B. Widener, of Ogontz, Pa. Read before the Pennsylvania Horticultural Society, June 19, 1900.]

There are two distinct classes of calceolarias. Those known as shrubby are used in some parts of Europe for planting out in summer, and then there are the herbaceous varieties. It is of the latter class, which is the better for pot culture, that I will talk about to you this evening. They are grown from seed, and the best time to sow the seed is in the months of July and August. The seed should be sown in pans or small boxes in a mixture of even parts of well decomposed sod, leaf mould or peat in which some sand has been mixed. Care should be taken to choose a shady situation for the seed pans and as cool and airy as possible. After the plants are well up they should be pricked off as soon as large enough to handle, again using pans or small boxes; this time using two parts well decomposed sod and one part leaf mould and a little sand. After a day or two of careful shading they should be gradually given air and a position selected as near to the glass as possible. When strong enough they may be potted into 2½ inch pots and placed in a frame, outside if possible, with the sashes elevated sufficiently so that a free circulation of air may be assured at all times

BEGONIA GLOIRE DE LORRAINE AFTER BLOOMING IN A DWELLING HOUSE ALL WINTER AND SPRING.

when the weather is favorable. In the outside frame they may remain until cool nights set in, by which time they should be large enough to be repotted into 3-inch or 4-inch pots, according to the strength of the plants. By following the method recommended some of the very largest will become sufficiently large to occupy a 7-inch or an 8-inch pot to advantage. The temperature in the winter months for these cool greenhouse plants should whenever possible be kept down to from 45° to 50° in daytime, and at night from 42° to 45°. The greatest care must be exercised in the watering, especially in the winter. They suffer a great deal if allowed to become too dry, and one overdose of water will almost kill them. Their greatest enemy in the insect line is the green fly. To overcome this trouble tobacco stems must be liberally placed between the pots.

This is the method I used last year and had very good results. I had in the months of April and May plants two feet across full of bloom, growing in 6-inch pots and they were grown in a natural way without training, which surprised many of my gardener friends who called to see them. In the collection of over 300 plants it was hard to find two alike, so varied were they in their shadings and markings. Among them were some very nearly pure white; one was a pure canary yellow, and one was a canary yellow with large spots very nearly black. I hope with the brief cultural directions given that my fellow gardeners will take them in hand and make an effort to grow them, for nothing, in my opinion, gives more pleasure than a collection of well grown herbaceous calceolarias.

CHRYSANTHEMUMS.

SPECIMEN PLANTS.

Specimen plants are making rapid growth and the foundation is now made for shapely subjects. Neglect now cannot be repaired. Close pinching must be practiced until August 10 or thereabouts. Some plants may be stopped later, but judgment gained from practical experience must be our guide. In any case, strong growing shoots must be shortened. It also will be necessary to commence staking early to insure the best development of all growing shoots, as there is always a tendency to crowding. Any left-over stakes will come in handy for the first tying out, as these will, in all probability, be withdrawn, as the plants show the extent of their probable development. But, if we can tell about what size the plants will attain, we can put in permanent stakes, leaving them long enough to allow for any future growth. Outdoor, or rather, planted out plants will require very much the same treatment. We cannot, however, thus early stake them for "a finish," but we must make provision for even growth and for good shapely plants by temporary staking. Such plants must be taken up early, say in August. It is unwise to let them make big plants and pot them in September; they are always difficult to establish and usually lose their lower leaves. If possible, choose a dry time for lifting. Lifted dry, and well watered, recovery is rapid. If lifted after a moist time and with soft growth, recovery is less certain.

Red spider is often a nuisance. We have found lemon oil one of the best insecticides. A little sulphur may be thrown in and it will stick to the leaves and help, also, as a guard against mildew and other fungous diseases, but the new chrysanthemum rust is hard to kill. It will be better to sacrifice the affected plants. Lemon oil is expensive and that is against its general use; but, if good specimens are expected, we must keep down insects at all costs. Used at the the rate of half a pint to three gallons of water it is safe and efficacious. Red spider, if allowed to get a foothold, will become an almost uneradicable pest. The injury done when the blooms commence to open, is of a most damaging nature; in fact, they never open. Out of doors insects, especially aphis and the red spider, are kept down by other insects, and have never given the trouble they do indoors.

Feeding may now be practiced freely with all healthy plants. Much judgment is required. It needs an intuitive eye. As a rule the strongest growers take stimulation most safely. The delicate ones need care. Extra doses injure rather than help. Ivory is a hard one to manage in this respect. A good specimen needs a long season of steady growth, and a well bloomed specimen of this variety is the best evidence of skillful chrysanthemum growing one could wish.

T. D. HATFIELD.

FREMONT, NEB — C. H. Green has 15,000 Marie Louise violet plants in the field and the stock never looked better. The bedding plant season just closing is the best ever experienced here.

IDA L. CHITTENDEN'S VIOLET HOUSES AT LANSING, MICH.

VIOLETS.

SUCCESS WITH MARIE LOUISE.

Within recent years a number of establishments have sprung up in various sections of the country, making a specialty of one flower and growing it so successfully that reputations more or less widespread have been the result. Of the many growers of good violets few have attained more satisfactory results in a brief period than have attended the efforts of Ida L. Chittenden, at the Maplewood Violet Houses, corner of Washington and Mount Hope avenues, Lansing, Mich., of which two views are herewith presented.

It was not until the autumn of 1896 that the first of this glass was erected, a house 14x40. This was very much in the nature of a venture, as there was no experience with the violet upon which to base operations. Miss Chittenden had, however, for more than a year, been studying the peculiar requirements of the plant with a view to undertaking its culture commercially. The houses are built upon a somewhat unusual plan. All the plants are in solid beds and in the houses extending east and west the beds are on the ground level of the south side. Hot water is used for heating and all the pipes are above the beds. The latest addition to the range is the house running north and south, 16x100, but practically like the others. It was completed too late last fall to have this season afford a fair test of the merits of the house, but it is expected to prove itself the best in the range. The advantage of this style of house for violets is the full exposure to the sun which is secured.

The cultural methods employed are not different from those of many other successful growers. The cuttings, first rooted in sand, are set in the field as early in May as circumstances will permit. Here they receive frequent cultivation and the runners are cut back every week during August. The clumps are moved into the houses early in September, sometimes in the latter part of August. Before the stock is brought inside, the houses are carefully cleansed, whitewashed and fumigated, and some of the old soil is removed from the beds and replaced by fresh compost. After the plants are established indoors the points given most careful attention are their frequent cultivation, the removal of runners, loose crowns and dead or diseased leaves, and, most important of all, the ventilation. The houses are kept at a very low temperature during January, so cool, in fact, that frost sometimes nips the plants a bit.

The one problem as yet unsolved is that of the extermination of aphids, which are constantly troublesome. A great deal of care is given to bunching and packing the stock for market, for it is the painstaking attention to details from start to finish which results in success. Marie Louise is the only variety grown and, except for a small local trade, the cut is sold through E. H. Hunt, Chicago.

RED SPIDER ON VIOLETS.

ED. AM. FLORIST:—Please tell me how to get rid of red spider on violets in the field where water supply is limited.

Mississippi. M. A.

Probably the best way to hold the red spider in check or get rid of it in the field when the water supply is limited, is to spray the plants once a week, until the spiders have disappeared, with a solution of Ivory soap and water. Cut a five-cent bar of the soap into very thin slices with a knife, or better, with a small block plane, and dissolve in about one gallon of hot water. When all the soap is dissolved add sufficient water to make seven gallons. Apply the solution with a small hand spray pump and from two to four hours after making the application syringe the plants thoroughly with clear, cold water. From three to five treatments of this kind, if thorough, should rid the plants of both the spiders and the eggs. P. H. DORSETT.

ROSES.

EARLY TREATMENT FOR ROSES.

As the planting season is now here, a careful estimate should be made for the coming season, selecting varieties according to what your customers prefer or what will succeed best with your treatment, soil and the class of houses you have to grow your roses in. All these items are factors in the cultivation of the rose which many are apt to overlook at this season, yet to obtain the best results they should be very carefully considered.

As a rule the varieties which succeed under the same general treatment are Bride, Bridesmaid, Catherine Mermet, Golden Gate, Mme. Hoste, Mrs. Pierpont Morgan and Mme. Cusin, while Bon Silene, Papa Gontier and Souvenir de Wootton do best with a slightly cooler treatment, an average of 2° or 3° less than the first named, or about 52° to 54° at night during the winter season. In most places the buds of Perle and Sunset have of late years come badly deformed during the winter if not kept at 58° at night and where it is necessary to grow these varieties in the same house with Bride and others they should be placed in the warmest part of the house. Meteor, to get the best results, should have it least 5° or 6° higher temperature all the time.

Most of the hybrid teas such as American Beauty, La France, Caroline Testout and Admiral Dewey should have a slightly drier atmosphere, on the whole, than the teas proper By a little care in arranging these matters, better results can be obtained than would be possible with indiscriminate planting. Soil, watering and ventilation are all important factors in the cultivation of the rose, but have been so often described in detail in these columns that it would seem superfluous to repeat.

One thing, however, should always be

INTERIOR OF ONE OF IDA L. CHITTENDEN'S VIOLET HOUSES AT LANSING, MICH.

borne in mind when planting, and that is to make the soil quite firm about the ball of the plant as soon as it is placed in position; the lighter the nature of the soil the firmer it needs to be made. A good plan to prevent the soil in the beds or benches from becoming sour from over watering is to press the soil very firmly, close around the plant, leaving a slight ridge to form a dish-like basin a few inches around each plant; leave the balance of the soil loose till the plant becomes established and begins to spread its roots into the surrounding soil. By this means a liberal supply of water can be given to each plant without saturating the whole body of the soil, and as soon as the plants have made a good start into new growth, which means that the roots are beginning to throw out feeders, all the compost on the bench should be pressed firmly and the surface raked over lightly to make it even. From this onward general good cultivation is all that is needed to obtain the best result.

JOHN N. MAY.

Paris.

GARDENS ON THE CHAMPS DE MARS.—A GREAT VARIETY OF MATERIAL EMPLOYED.—BIG PALMS ON THE CHAMPS ELYSEES.—HOW THEY WERE PREPARED FOR REMOVAL.—A ROCK GARDEN WHICH WAS A HAPPY THOUGHT.—FOURTH FLOWER SHOW REMARKABLE FOR FORCED FRUIT.—MANY VARIETIES EXHIBITED.—THE PRIZE WINNERS.

It would be difficult to define the style of the gardens which have been laid out on the esplanade of the Champ de Mars. No attempt has been made to pretentious landscape effect or scenery and the primary duty imposed on Mr. Vacherot, the architect, was to furnish some appropriate shady resting places, which would not take too much room and would modify the reflection from the surrounding staff buildings. It is to be regretted that Mr. Vacherot could not be given greater scope for his skill, but most of the room was required for the circulation of the visitors and, although the broad central alley occupies the greater part of the ground, it is almost certain that on festival days, when the waters in front of the electric palace will play, the lawns and gardens will not have a very good time.

But if the gardens lack extent, they contain as great a variety of trees as possible. The collection comprises such kinds as Araucaria imbricata, Chamærops excelsa, Phœnix Canariensis, Cedrus Atlantica, Ginkgo biloba, Sequoia gigantea, Acer Negundo, Abies Douglasii, the curious Abies Cranstoniana, Sequoia pendula and many other kinds. The weeping trees are conspicuous everywhere and are represented by specimens of Betula pendula, Fagus purpurea pendula, Ilex peudula, Larix Europæa pendula, Sambucus pendula, etc., and even a weeping chestnut, which tree is not easily brought to weep. The color effects on the lawns are produced by beds of seasonable flowers. These beds were lately occupied by that fine glowing red stock, Queen Elizabeth, and the white stock, Apple Blossom, and by collections of nasturtiums, which made pleasing groups between the trees. In the angles of the buildings are massed magnificent specimens of rhododendrons and azaleas supplied by Moser of Versailles.

In the other part of the exposition, near the Champs Elysees, the laying out of the gardens, on the Avenue Nicolas II, had to undergo the same limitations. The most notable feature of the gardens in that avenue are the big specimens of Phœnix dactylifera, which have been brought from Nizza at a great cost. To ensure their growing on at the exposition without a check, their removal was prepared for in the following way: Eighteen months ago a deep trench was dug around each tree, the ball undermined at a depth of from one and one-half to two yards, the roots cut and a floor inserted. The sides were treated in the same way and the whole fastened together. The palms by this method had an enclosing frame without having been removed from their quarters. The trenches were filled with good soil and the plants watered as often as they needed it. When the new growth started again, the roots, which had been cut back, produced a large number of rootlets which, through the fissures or openings of the bottom and sides, found a rich, suitable soil to thrive in. To remove the trees, the trenches were opened and the trees extracted with their frame and ball. Some of the palms weighed over three tons. The setting out, with frame and ball, at the exposition was easy enough and as the palms, planted in holes prepared in advance, were surrounded by the best of soils, the rootlets of the previous year ramify without any obstruction. The palms will move into warmer quarters again next fall. Nearly all the trees which had to be removed for one or two years, while the buildings were in progress of construction, were treated in the same way. After a sojourn of a couple of years in the Bois de Boulogne some were better off than before the change.

To visitors who are weary with sight seeing and with visiting the curiosities and marvels in the buildings, I recommend the little rock garden of the Champs Elysees. This rock garden was not thought of until just before the opening of the exposition. When the old Palace of Industry was pulled down a few years ago, to make room for the two new palaces, the city of Paris objected to the removal of the materials through the fine avenues of the Champs Elysees. The architect had therefore to construct, under the leading thoroughfare, a tunnel leading to the Seine river. The palaces were finished but a short time before the date fixed for the opening of the exposition and it was then too late to fill up the tunnel and as it was thought that it might be of service at the close of the exhibition, the happy idea was conceived that the best thing to do was to embellish the tunnel as well as possible and to use the part in the open air as a rock garden. The latter is planted with a fine collection of cacti and rock plants from our cactus king, Mr. Simon, and at its bottom is a rivulet containing aquatics.

The fourth flower show began on June 13 and in the materials exhibited, presented many points of similarity with the preceding show. Its prominent feature was the fine collections of forced fruits. Platzer, of Bailleul, won a first prize with splended specimens. His purple grapes were Gros Guillaume or Barbarossa; Madresfield Court, Black Muscat and Frankenthal, or Black Hamburg; and his white sorts Foster's Seedling, Gros Coulard, Duke of Buccleuch and Chasselas de Fontainebleau or Royal Muscadine. He also showed Precoce of Croncels and Early Rivers nectarines. The Fruit Forcing Co., of Rueil, also secured a high reward. Among their collection were the following: Borowiski, Grand Alexandre and Transparente de Croncels apples; Williams and Dr. Jules Guyot pears; Early Bertin, Fertile de Salluau and Red Versaillaise currants; Whinham's Industry and Wilson's Early gooseberries; Dauphine, Barbillonne, Golden and White Argenteuil figs; Precoce de Montplaisir apricot; Hale's Early, Amsden, Grosse Mignonne and Michelin peaches; Lord Napier, Precoce of Croncels and Early Rivers nectarines; Early Green Gage, Monsieur Hative, Razaimbaut, Blue Belgian and Althan Green Gage plums; Hornet, Falstaff and Four Seasons White raspberries, all of which, with the exception of a few sorts were shown in pots. Boucher, of Paris, won a first prize with the following cherry trees in pots: Empress Eugenie, Precoce Marbree, Black Eagle, Early Rivers, Ohio Beauty, Bigarreau noir and Guigne de Lamaurie. Such

ROCK GARDEN NEAR THE GRAND PALACE AT PARIS.

little trees, bearing abundantly, ought to be more generally grown for grand dinners where they would create quite a sensation. Lapierre and Millet had both a splendid collection of strawberries including the leading kinds known. The apples in the American section continue to be in fine condition and very aopetizing. If my memory is not at fault Kansas received the first prize with New York at the fourth show.

Roses, pæonies, annual and biennial flowers, geraniums, begonias, orchids and phyllocacti, as in the previous shows, formed splendid displays. Among the plants not yet shown on a large scale were a fine group of salpiglossis and one of single and double petunias, for each of which Vilmorin received a first prize. The same firm had a beautiful lot of their new Chelone Hybrid Rose which won a special award. Burpee, of Philadelphia, was first in the sweet pea contest, with a lot of fifty varieties in full flower, which included many delicate, pretty colors, but little grown here. Billiard & Barre sent a fine lot of cannas in flower, for which they received a first prize. J. Pernet-Ducher, Venissieux-Lyons, had a very interesting lot of cut roses. It contained his new rose, Soleil d'Or, which attracted great attention on account of its distinct, old gold color, not easily described. The other sorts shown were Joseph Hill, rose color; Bersez, white; Mr. Hede, dark red; Prince de Bulgarie, fleshy rose, and Senateur Belle, salmon rose.

Morel & Son, Lyons, staged a new purplish red clematis, which they call Ville de Lyon. Croux & Son, Sceaux, had a fine lot of Hydrangea paniculata grandiflora. PARISIAN.

New York.

MARKET IN A STATE OF INOCUOUS DESUETUDE.—SUMMER SOLSTICE SUBDUES SHIPPERS.—LITTLE USE FOR MATERIAL AT HAND.

This week sees mid summer conditions fully established in the cut flower trade. There is practically nothing going on and nothing for anyone to do. Receipts of flowers, roses especially, have fallen off largely but it makes no difference, as there is no use to which the material that does come in can be put. Outdoor roses are at an end and this is gratifying to those who have been obliged to handle them and look for a market for them at a few cents per hundred. Sweet peas are everywhere, excellent in quality but unsalable. If it were not for the interest in the approaching convention it might truthfully be said that New York never before was so dull, floriculturally, as it is now and will undoubtedly be for some weeks to come.

Chicago.

RISE IN TEMPERATURE CAUSES FALL IN PRICES.—HOT WEATHER BRINGS MATTERS TO THE SUMMER LEVEL.—SOME ITEMS STILL SCARCE.—FIGURES ON THE PÆONY CROP.—SWEET PEAS IN ABUNDANCE.—JOTTINGS OF VARYING IMPORT.

Things came down to the summer basis with a rush on Monday morning, the change in the state of the market being in line with the weather conditions. Spring has surely lingered in the lap of summer, in this instance, and carried the matter too far, with the result that when the moment of expulsion came, the mercury is said to have gone rushing up the tube of the thermometer with a noise like that which the skyrocket will make next Wednesday night. At any rate it became too hot for comfortable existence and nobody wondered that stock, demand and prices wilted. It is fortunate that the supply has materially diminished, for with stocks not much more than half as large as they were ten days ago the market cleans up pretty thoroughly each day. Good roses of all kinds are still short of the demand, there is not enough lily of the valley and even white carnations are sometimes difficult to obtain.

Now that pæonies are approaching an end speculation is in order as to the number of blooms handled in this market and A. Kennicott, who has been cited as an authority, says that the total is probably between 30,000 and 40,000 dozen but E. E. Pieser thinks it is rather higher than even those figures, remarkable as they are. At any rate the number exceeds last year's crop by many thousand dozens and it is safe to say that in no other market is the pæony in such demand as it is in Chicago and that in few markets has good stock realized better prices this spring.

There are all kinds and conditions of sweet peas in the market now, but none are finer than those from C. W. Northrup, of La Grange, who has a choice of colors all on extra long stems and carefully bunched. Another grower, Chas. Lewis, of Hastings, Mich., is sending in good flowers but his only effort at bunching is to attach a tag with his name and "the world's best," merely looping it on, the way we attached our Derby badges to our coat buttons. At McKellar & Winterson's they have been having Firefly, a fine bright scarlet pea useful for many purposes.

Paul Zoellner, of La Crosse, Wis., with two of his daughters, visited the city this week on a brief vacation. Mr. Zoellner reports a splendid trade in bedding plants. He says Yellow Crozy canna is an excellent pot plant and that he had no trouble in disposing of his stock at $1 each when in bloom.

H. N. Bruns has not yet determined whether or not to visit France and Germany this summer. He is still forcing lily of the valley pips and making money out of them, for valley is a scarce article just now, Bruns and Jurgens being about the only sources of supply.

TROCADERO GARDEN LOOKING TOWARD THE CHAMPS DE MARS AT PARIS.

C. W. McKellar and Mrs McKellar are planning to go to New York to the convention in August but E. F. Winterson is making no preparations for that gala trip, for their business has gained such proportions that they find it impossible for both partners to be absent at the same time.

A. C. Spencer has been agitating the question of early closing and all of the wholesalers and commission dealers have agreed to shut up shop at 5 p. m., beginning next week; buyers, particularly those out of town, should take notice.

Van Clave, the candidum lily grower, of South Haven, Mich., has been in town this week. He is sending in some good stock, which is selling fairly well, but reports the cut to be only just at a beginning.

The Derby made some business last Saturday, principally decorations for luncheons and small dinners, but a few of the turnouts at the track were decorated with flowers.

John C. Schubert was at Springfield this week as a delegate to the democratic state convention which nominated Samuel Alschuler for governor.

George Reinberg is rebuilding the benches in his carnation houses and getting into good shape for an early start in the fall.

George Stollery and James Hartshorne, accompanied by Mr. Hartshorne's little son, started Thursday upon their trip to Europe.

E. E. Pieser and Mrs. Pieser are planning to go to West Baden July 3 to begin their series of summer outings.

Sam Pearce is a happy man these days, because of a baby boy who arrived June 25.

Visitors: G. W. Weatherby, Jr., Chillicothe, Mo; C. H. Reed, Birmingham, Ala; J. S. Stuart, of Anderson, Ind.; Alfred Carlson and Nels Nelson, of St. Paul, Minn.; G. Fleischer, of Pueblo, Colo.

CALUMET, MICH.—Albert Lutey, of the Ishpeming Floral Company, Ishpeming, is planning to establish greenhouses here.

BAR HARBOR, ME.—Carl Beers has arrived from Bangor and opened up at the Rodick House, expecting to remain through the season.

THE AMERICAN FLORIST

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The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

IN a recent issue of *The Garden*, a correspondent comments favorably on Hydrangea Hortensia fl. pl. as a plant for forcing.

BRITISH growers of hardy herbaceous plants speak highly of a new euphorbia with flowers of an attractive yellowish-green shade. The name is E. Wulfenii and the seeds were received from Dalmatia.

THE exhibition of the German Rose Society will continue at Trier, Germany, from July to October. This is an exhibition of growing plants, including all the leading European novelties and many seedlings not yet in commerce. The secretary of the society is P. Lambert, Trier, Germany.

Now that glass production has ceased for the summer and labor matters are well arranged, jobbers are in a position to make an intelligent forecast of the trend of events for the balance of the season. It is thought prices are likely to advance somewhat, particularly on small sizes, which are scarce.

Gas Versus Coal.

ED. AM. FLORIST:—In your last issue "L. R. T." says it has been suggested that one ton of good steam lump coal is about equal in efficiency to 4,000 cubic feet of gas. If he means natural gas 25,000 feet would be nearer the mark. I have used both largely. At the ratio suggested by me the cost here would be equal and I have discarded gas for coal.

Fort Wayne, Ind. W. J. VESEY.

Greenhouse Building.

Kalamazoo, Mich.—G. Van Bochove & Bro., violet house 20x150.

New Orleans, La.—M. Cook, house 25x100.

Richmond, Ind.—Beach & Chessman, house 44x85.

Marion, Ind.—J. W. Bernard, two housess 25x100.

Dixon, Ill.—O. L. Baird, palm house.

Whitman, Mass.—R. E. Moir, two houses.

Lexington, Ky.—D. Honaker, Beauty house 32x150.

Pittsfield, Me.—A. J. Loder, house 16x100.

Indianapolis, Ind.—Henry Weishaar, range of seven houses. R. F. Harritt, carnation houses.

Washington, D. C.—F. H. Kramer, house 30x125.

Omaha, Neb.—J. W. & E. E. Arnold, two houses.

Benefits of Advertising.

ED. AM. FLORIST:—I have had many calls for my goods through my advertisement in the AMERICAN FLORIST and am glad to say that it helped me very much in selling them.

THE COTTAGE NURSERY,
San Diego, Cal. M. L. BOYLE.

Chicago to New York.

The Chicago Florists' Club's committee on transportation to the New York convention of the S. A. F. in August is making very satisfactory progress, and an economical and enjoyable trip is assured. Florists in the west and northwest will be invited to travel with the Chicago party and share the advantages obtained by the club.

Philadelphia.

SUMMER SEASON ON IN EARNEST.—HOT WEATHER HURTS ALL ROSES BUT METEOR AND PERLE.—TRADE DOWN TO NORMAL.—LARGE PLANTING OF QUEEN OF EDGELY.—HEACOCK'S METHODS.—CONVENTION TALK AND OTHER MATTERS.

We are now enduring the first really warm spell of the season; it is red hot, so to speak, and is finishing up the balance of last season's stock. The Beauties that are now coming in are very hard to pass off as such and other roses are almost as bad. Meteor growers seem to be in it, as this variety, as well as Perle, seems to improve under existing conditions. The Floral Exchange people, who make a specialty of Meteor, say their houses have done better this season than usual and their increased shipping trade has made the past month the best June they have ever had. The new colonial group, or large range of several connected houses, which is to contain thirteen beds all filled with the Queen of Edgely, is about finished and will soon be planted. Trade in the stores is very slow, almost all the social functions are over and nothing outside of the regular summer demands, comprising funeral flowers and an occasional order for the seashore and other pleasure resorts, is to be looked for. Even now red immortelles and cape flowers are being manipulated for next season's business.

Jos. Heacock says his sales of palms this spring have been far ahead of his expectations. A new house, recently erected, now stands idle, as the stock he was expecting to grow on in it is now located in different parts of the country. Nearly all his rose houses are replanted for next season. When benching plants he does not fill in and level off the soil at first, a pocket being left about each plant to hold the water, which is carefully given at first, so that only the immediate soil about each one is kept wet. As the plants start away and the ever attending weeds join in the race, the bed is then levelled off and cleaned. Mr. Heacock thinks the soil is kept sweeter this way than if watered all over from the start. He says that insects do not bother him on either his roses or palms and he attributes this entirely to the use of Lonsdale's evaporating pans, which are always in service as long as the steam is on.

The coming convention is now claiming the attention of the boys and there will certainly be the largest delegation from this city that has ever attended any convention. All western and southern delegations who can come this way are especially requested to do so by the Philadelphia club's committee, as they would like the pleasure of their company in the club house for a few hours.

Chas. Fox, of Twenty-first street and Columbia avenue, is never idle and as the summer quiet of the city hangs heavy on his hands, he has this season opened a hotel at Atlantic City, calling it La Belle Inn, where he will be glad to see his friends in the trade. Everything is first-class, the cuisine being under the charge of one of the best chefs of this city.

The Sharon Nurseries, 1908 Susquehanna avenue, are closing out their business.

Alexander Scott and wife will sail about July 1 for a European trip. K.

The American Carnation Society.

The preliminary premium list of the American Carnation Society has just been issued, showing the classes and awards offered for the exhibition to be held at Baltimore, Md., February 21 and 22, 1901. It is as follows:

SPECIAL PREMIUMS.

To compete for a certificate of merit fifty blooms must be shown and the variety have bloomed not less than three years. The entry fee is $5 for each variety entered. For a preliminary certificate twelve blooms must be shown and the variety have bloomed two years; entry fee, $2 for each variety entered.

The Michel cup will be awarded to the individual or firm making the largest and finest display at the show.

The Society cup will be awarded for the best arrangement of carnation blooms with their own or other foliage, but no other flowers to be used.

The Lawson gold medal will be awarded to the best vase of 100 blooms, any variety, any color.

The Lawson silver medal will be awarded to the best vase of twenty-five blooms, any variety, any color.

The Lawson bronze medal will be awarded to the best twelve blooms of a seedling carnation not yet disseminated.

Those competing for the Lawson medals are not allowed to compete in any of the following classes with the same vase.

GENERAL PREMIUMS.

Class A is regardless of variety, and regardless of whether the variety is disseminated or not.

Class B is for varieties only that have been disseminated previous to 1900.

Class C is for varieties that have been disseminated in 1900, and no others.

In all of the classes a light pink must be as light or lighter than Scott, and a dark pink must be darker than Scott.

		1st Prize.	2d Prize.
CLASS A			
Best 100 blooms of	White	$12.00	$6.00
" "	Light Pink	12.00	6.00
" "	Dark Pink	12.00	6.00
" "	Scarlet	12.00	6.00
" "	Crimson	12.00	6.00
" "	Yellow Variegated	12.00	6.00
" "	White "	12.00	6.00
" "	any other color	12.00	6.00
		1st Prize.	2d Prize.
CLASS B			
Best 50 blooms of	White	$6.00	$3.00
" "	Light Pink	6.00	3.00
" "	Dark Pink	6.00	3.00
" "	Scarlet	6.00	3.00
" "	Crimson	6.00	3.00
" "	Yellow Variegated	6.00	3.00
" "	White "	6.00	3.00
" "	any other color	6.00	3.00
		1st Prize.	2d Prize.
CLASS C			
Best 25 blooms of	White	$3.00	$1.50
" "	Light Pink	3.00	1.50
" "	Dark Pink	3.00	1.50
" "	Scarlet	3.00	1.50
" "	Crimson	3.00	1.50
" "	Yellow Variegated	3.00	1.50
" "	White "	3.00	1.50
" "	any other color	3.00	1.50

A number of special premiums will no doubt be offered by the disseminators of new varieties in addition to the above; all of these together with instructions for entering varieties, and a programme of the meeting, will be issued early in January.

Special premiums and orders for advertising matter in this January list, can be sent the secretary any time up to November 1. Advertising will be accepted at the rate of $10.00 per full page; $5.00 per half page and $2 50 per quarter page.

Signed: ROBERT HALLIDAY, President.
Attest: ALBERT M. HERR, Sec'y, Lancaster, Pa.

Pittsburg.

TRADE GOOD AND EVERYBODY HAPPY.—CLUB PREPARING TO DESCEND ON NEW YORK.—VARIOUS NOTES.

Cut flower trade has been very good here lately, commencements, social and matrimonial functions combined with funeral work, of which there has been more than usual, serving to completely exhaust the supplies of serviceable stock. The bedding season is over and has proved a good one, stocks being well cleaned out.

Pittsburg had a quarter-of-a-million-dollar fire on June 22 and A. M. Murdock's flower store was in the center of the holocaust, inflicting a considerable loss.

E. C. Reineman, president of the Pittsburg and Allegheny Florists' Club, has been at Mount Clemens, Mich., with Mrs. Reineman, taking treatment for rheumatism.

The Florists' Club is preparing to descend upon New York in August and proposes to make its presence felt in all the departments of convention work.

A visitor this week has been the manager of the Teter Floral Co., Ottumwa, Iowa. E. C. L.

Catalogues and Cut Flower Price Lists Received.

The Philadelphia Lawn Mower Co., Philadelphia, Pa., mowers; Dammann & Co., San Giovanni a Teduccio, near Naples, Italy, bulbs, roots, seeds, etc.; Suziki & Iida, New York, N. Y., and Yokohama, Japan, bulbs, seeds and plants; The Howland Nursery Company, Los Angeles, Cal., wholesale price list of roses; W. Baylor Hartland, Cork, Ireland, wholesale and retail bulbs; Welch Bros., Boston, Mass., cut flowers; E. H. Hunt, Chicago, Ill., wholesale palms, bulbs, cut flowers, holly and greens; Holton & Hunkel Co., Milwaukee, Wis., wholesale cut flowers; Giblin & Co., Utica, N. Y., greenhouse heating apparatus.

WATERBURY, CONN.—Carl Burklund has taken the position of foreman for Alexander Dallas.

ROCKFORD, ILL.—Harry Woolsey is building a very fine store and office at his greenhouses and J. J. Soper also has repairs and improvements under way.

LITTLETON, N. H.—The greenhouses formerly occupied by A. A. Voorneveld have been sold to Ira Parker, who will remove them to a new location at Parker's Park.

SWARTHMORE, PA.—J. D. Erisman & Son have purchased the greenhouses of Dr. Baker, formerly known as Norwindon, and will remove them to a location on their own property.

OBITUARY.

ERNEST KISKER.

Ernest Kisker, for a number of years engaged in the florist business at Franklin, O., died recently at Springfield, O. Interment took place June 19 at Ferncliffe Cemetery, Springfield.

J. C. SMITH.

John C. Smith, of Newburyport, Mass., died June 20, aged 74 years. Mr. Smith, although beginning life as a cobbler, was a very successful seed grower and for many years he had raised and sold both plants and seeds to those of the trade in his vicinity. He had been in poor health for some time. Mrs. Smith survives him.

CHARLES NEUNER.

Charles Neuner, who had been ill for several weeks, died at Louisville, Ky., on June 18. Mr. Neuner was 51 years of age. He was best known as a member of the firm of Nanz & Neuner. He began the partnership in 1872 and continued until 1876, when he retired to take charge of extensive nurseries at St. Mathews. In 1889 he re-entered the firm and remained until 1895, when he became special agent of the German Life Insurance Co., which position he held at the time of his death. He leaves a wife and five children.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent W. care American Florist.

SITUATION WANTED—By florist, age 23, on private or commercial place, general greenhouse work. FLORIST, 90 Sixth Ave., New York City.

SITUATION WANTED—By florist, age 22, on private or commercial place; general greenhouse work. FLORIST, 204 East 21st St., New York City.

SITUATION WANTED—As florist's assistant; age 26, single; experience in Sweden and England; not long in this country. JOHN GORANSON, 1206 Western Ave., Joliet, Ill.

SITUATION WANTED—By a competent grower; age 26; 12 years' experience in every branch; steady and sober Best of references. Address CHICAGO, care American Florist.

SITUATION WANTED—By a reliable florist as foreman or to take full charge. Life-time experience, English, married, first-class references. Address C R. care American Florist, Chicago.

SITUATION WANTED—By thoroughly reliable and practical florist and nurseryman; also experienced in landscape engineering and gardening. Best of references. Address E, Hot Springs, Va.

SITUATION WANTED—As foreman, by practical florist and grower of fine cut flowers, roses, carnations, 'mums, etc; 25 years' experience. Good references. G. FLORIST, 454 Prospect St., Cleveland, O.

SITUATION WANTED—By young lady of fine personal attainments as clerk and assistant to florist. Moderate salary to start with. Chicago preferred. Address MISS WHEELER, care Walter Kreitling, (by whom recommended), 10 E. Van Buren St., Chicago.

SITUATION WANTED—As manager or foreman in a large commercial place, a practical grower of roses, carnations, 'mums, violets, palms, ferns, etc. Life experience Europe and this country; three years in last place. Good wages expected. References O. K. Address MANAGER, 429 N 10th St., Phila., Pa.

SITUATION WANTED—By first-class designer, decorator and cut flower worker. Second to none as cut flower and general stock grower. Also good salesman; 12 years' experience; single; age 26; strictly sober, industrious and reliable. Of good address. Only those wanting up-to-date man need answer. Address FLORIST, Columbia City, Ind.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—Boy to learn the greenhouse business of the growing of cut flowers. Apply to JOHN L. WYLAND, De Haven, Pa.

WANTED—A good florist, single; competent of handling palms and ferns Address H. F. HALLE, 548 W. Madelon St, Chicago.

WANTED—Competent man, to take charge of general greenhouse work. Address A. S. PATTERSON, Eddy St., Fort Scott, Kans.

WANTED—Man competent for general greenhouse work. Steady place to right man References. Address RETAIL, care American Florist.

WANTED—A young man for rose growing and general propagating on a place of 14000 feet of glass. Address J H, care American Florist, Chicago.

WANTED—A competent man to act as manager of 65 00 feet of glass in cut flowers. Present foreman resigns on account of ill health Address E. HIPPARD, Youngstown, O.

WANTED—Two thorough nurserymen, in a commercial place: accustomed to budding roses and making cuttings of soft wooded shrubbery. Address M. care American Florist, Chicago.

WANTED AT ONCE—Competent single florist, on a place of 7000 feet of glass, where roses, carnations, 'mums, and general stock are grown. State wages and address at once, sending references. F. B. TINKER, Peru, Ind.

WANTED—To work under foreman, two good men for commercial place; only those that understand roses and carnations. State references and experience. Apply to P O. Box 117, Rowayton, Conn.

WANTED—For a southern seed house, a practical seedsman who thoroughly understands the packet seed trade and well up on the bulk business. Address, stating salary wanted and give references to SOUTH, care American Florist, Chicago.

FOR SALE—500 ft. 1-inch black pipe, 4c per ft. 500 ft. 1¼-inch black pipe, 6c per ft. J. W. DAVIS, Morrison, Ill.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Established florist business, city of 30,000, three houses stocked with roses, carnations, 'mums and general stock; fine location, opposite cemetery. Reasons for selling, age. Address GEORGE KENDALL, Muncie, Ind.

FOR SALE CHEAP—Ten greenhouses, office, barn, ground and dwelling. Steam heated, centrally located in city of 60,000 inhabitants. Reason for selling, widow. MRS. GEO. WALDBAUER, 1317 N. Michigan Ave, Saginaw City, Mich.

FOR SALE—Greenhouse business; best in this busy city; plant of three houses well stocked with field carnations, fine; also 'mums, decorative and bedding plants. Very cheap. Investigate. Health demands a change. Address J. H. CONKLIN, 106 Youngs Ave, Joliet, Ill.

FOR SALE—In A1 condition, fully stocked, 5000 feet of glass on four lots in best part of city. Well established and doing good business. Cheap fuel and no competition for sixty miles. Owner has other business and can not give personal attention. Don't answer unless you mean business Address ILLINOIS, care American Florist.

FOR SALE OR RENT.

15 000 square feet of glass, all new houses with modern improvements, heated by steam. House and barn and one acre of land, best retail stand outside of city limits, right opposite Woodmere Cemetery entrance, one of the largest cemeteries in the state of Michigan, two blocks from railroad depot This place can be rented for fifty dollars per month without stock. Reason for selling out, I have too much other business to attend to. Address

ANTON KAIER, Woodmere, Mich.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE

On western coast of Michigan, two lots, two greenhouses, all modern appliances, in excellent condition. Good business location. Good opportunity for energetic man. Price $2,200.00. Write for particulars.

For sale or rent, near Erie, Pa., lot 100x150, large two story dwelling and four greenhouses almost new. Good glass and well heated. Excellent business location. Price $2,000.00, easy payments. Write for particulars.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

Mineola, N. Y.

The Queens-Nassau Agricultural Society never held a more successful fair than that which opened here on June 20, continuing three days. There were all the usual attractions, varying from horse racing to a display of fruits and flowers, and of the latter the exhibits were remarkably fine. C. W. Ward participated in the contest with strawberries and was awarded the prizes for the best quart of Clyde, Jersey Market and Nick Ohmer. R. P. Jeffrey & Son, of Bellmore, lead off with the best display of greenhouse plants, hanging basket and floral designs. Other prize winning exhibitors were Ferd. Barlon, J. Lewis Childs, C. Besold and Wm. Pride.

KENTON, O.—W. Sabransky has purchased six lots adjoiuing his greenhouses and will use them for outside plantings.

UNIONTOWN, PA.—Barton Bros. are building a corridor 11x42 feet and a carnation house 22x118 feet, about the same amount of glass that was added last year.

Wholesale Flower Markets

CINCINNATI, June 28

Roses, Bride	2 00@ 4.00
" Bridesmaid	2 00@ 4 00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1 00
" fancy	1 50@ 2 00
Lily of the valley	4 00
Gladiolus	3.00@ 4.00
Callas	6.00@ 8 00
Stocks	2 00
Sweet peas	.25
Tuberoses	3 00@ 4 00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Harrisii	8.00@10.00
Asparagus	50.00

ST. LOUIS, June 28

Roses Bride, Bridesmaid, Kaiserin	3.00@ 5.00
" Meteor	3 00@ 5 00
" Perle	2.00@ 3 00
Carnations, common	75@ 1.00
" fancy	1 50@ 2.00
Sweet peas	.20@ .25
Lamene Lilies	3.00@ 4.00
Smilax	12.50@15.00
Adiantum	.50@ 1.00
Asparagus	25.00@50 00

MILWAUKEE, June 28.

Roses, Beauty, long, per doz.	3 00
" " medium " "	1 50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4 00@ 6.00
" Meteor	4.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1.00@ 1.50
" fancy	2.00@ 3.00
Lily of the valley	4.00
Auratums lilies	15.00
Adiantum	.75@ 1 00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Sweet Peas	.35@ .50

PITTSBURG, June 28.

Roses, Beauty, fancy	20.00@25.00
" " extra	10.00@15.00
" " No. 1	10 00@20 00
" " culls	3 00@ 12 00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	2.00@ 8.00
" Perle	2.00@ 6.00
" Cusin	2.00@ 4 00
Carnations, ordinary	.50@ 1 00
" fancy	1 50@ 2.00
Lily of the valley	2 00@ 4.00
Harrisii	8 00@10.00
Sweet peas	.35@ .75
Daisies	.25@ 1.00
Smilax	12 50@15 00
Gladiolus	2.00@ 6.00
Adiantum	75@ 1 00
Asparagus	35 00@50.00
" Sprengerii	.25@ .35
Dagger Ferns	1000, $2 00

DENVER, June 27.

Roses, Beauty, select	20.00@30.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	4 00@ 5.00
Carnations, ordinary	1 00@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	4.00
Callas	12 50
Harrisii	12 50
Sweet peas	35@ .50
Asparagus	60.00
Smilax	18.00
Ferns	.30

Orchid Flowers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

Shipments made direct from greenhouses, insuring fresh and perfect blooms.

N. B. It is particularly requested that the stock here offered be not confused with similar stock offered by commission dealers at lower prices, which has been shipped from New York. Rosebank Orchids are never sold through commission dealers.

CATTLEYAS
(IN VARIETY)
$6.00 per Dozen.

500,000 FEET OF GLASS

PETER REINBERG.

PRICE LIST.

LARGEST GROWER OF
CUT FLOWERS
IN AMERICA.
51 Wabash Ave., CHICAGO.
Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

AMERICAN BEAUTIES.	Per Doz.
Long	$3.00
Medium	1.50 to 2.50
Short	1.00 to 1.25
METEOR	per 100, $4 00 to $6.00
BRIDE	" 3.00 to 5.00
BRIDESMAID	" 3.00 to 5 00
PERLE	" 3.00 to 4.00
LIBERTY	" 6.00 to 8.00
GOLDEN GATE	" 6.00 to 8.00
CARNATIONS, fancy	" 1 50
" common	" .75 to 1.00

Everything in the
CUT FLOWER
line.

WIRE WORK,
the kind
that will give satisfaction.

and a
complete line of FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

CUT FLOWERS.

Shipping orders receive prompt and careful attention.
C. C. POLLWORTH CO., Milwaukee, Wis.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in
Give it a trial. ...The American Florist.

J. B. DEAMUD,

51 WABASH AVE., CHICAGO.

HEADQUARTERS FOR PÆONIES.

P. & D. at Cost.

	Per Dozen.
BEAUTIES, short	$1.00
" medium	1.50 to 2.00
" long	2.50 to 3.00
	Per 100
BRIDES and MAIDS	$3.00 to $4.00
METEORS	3.00 to 4.00
PERLES	2.00 to 3.00
KAISERINS	2.00 to 4.00
" very fancy	6.00
CARNATIONS, assorted	1.00 to 1.50
" fancy	2.00 to 3.00

	Per 100
PÆONIES	$3.00 to $5.00
LIL. HARRISII	8.00 to 10.00
CALLAS	8.00 to 10.00
FORGET-ME-NOT	1.00
VALLEY	4.00 to 5.00
FERNS Per 1000 $1.50	.20
ADIANTUM	.50
SMILAX Per doz. $1.50	12.50

☞ Prices subject to change without notice.

McKellar & Winterson's

Modern Supply House.

We have a fine assortment of

BASKETS suitable for **SCHOOL CLOSINGS**

and offer same at greatly reduced prices.

Special attention given to assortments, $5.00, $10.00 and up. Parties leaving selection to us will be sure of getting nothing but strictly good standard styles, as we have no other.

Give us your order now together with your needs in

CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

Carnation Blooms

In Unlimited Quantities

SHIPPED TO ALL POINTS.

Chicago Carnation Co., JOLIET, ILL.

WEILAND-AND-RISCH

We are large Growers and Shippers of CUT FLOWERS

ALL THE NEW VARIETIES.

YOUR BUSINESS SOLICITED.

59 WABASH AVE., CHICAGO.

WHOLESALE FLORISTS

GEO. REINBERG,

Wholesale Grower of Cut Flowers.

BEAUTIES, ROSES, CARNATIONS.

All stock at lowest market rates. Send in your orders.

51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, June 29.

Roses,	Beauty,	extra long stems	3.00@ 4.00
"	"	30 inch "	3.00
"	"	24 " "	2.50
"	"	20 " "	2.00
"	"	15 " "	1.50
"	"	12 " "	1.25
"	"	8 " "	1.00
"	Bride, Bridesmaid		3.00@ 6.00
"	Perle		3.00@ 5.00
"	Meteor		4.00@ 6.00
"	La France		4.00@ 5.00
"	Golden Gate		6.00@10.00
"	Liberty		6.00@ 8.00
Carnations			.75@ 1.00
"	fancy		1.50
Lily of the valley			3.00@ 5.00
Mignonette			2.00@ 6.00
Harrisii			10.00@15.00
Callas			8.00@10.00
Sweet peas			.50@ 1.00
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			12.50@15.00
Asparagus			50.00@60.00

Lynch WHOLESALE FLORIST.

64 WABASH AVE. CHICAGO

S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR

WHOLESALE

CUT FLOWERS

Hunt's Flowers Go Everywhere

76 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.

Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL

Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,

Wholesale Commission Florist

41 Randolph Street, CHICAGO.

☞ Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES.

Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.

76 & 78 Wabash Avenue,

Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers

504 LIBERTY ST. 'PHONE 2157.

Am. Beauties

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT PITTSBURGH, PA.

Roses Violets

CONSIGNMENTS SOLICITED.

Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

UNTIL JULY 1st, WILL BE OPEN FROM 7:00 A. M. TO 8:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, JOBBERS IN FLORISTS' SUPPLIES

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

It is good business policy to mention the ...AMERICAN FLORIST when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, June 27.

Roses, Tea	1.00@ 2.00
" " extra	3.00@ 5.00
" Beauty, extra	15.00@20.00
" " firsts	5.00@ 8.00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asparagus	35.00@50.00
Smilax	12.50@20.00
Adiantum	.75@ 1.00
Sweet Peas	.15@ .30

BOSTON, June 27.

Roses, Beauty, extra	15.00@20.00
" " medium	4.00@ 6.00
" culls	1.00@ 2.00
" Bride, Bridesmaid, Meteor	.50@ 3.00
" extra	4.00@ 6.00
" Kaiserin	6.00@ 8.00
Carnations	.50@ .75
" extra	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Longiflorums	4.00@ 6.00
Sweet peas	.25@ .50
Astilbe, Stocks	1.00@ 2.00
Smilax	10.00@12.00
Asparagus	50.00
Hardy ferns	.25

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET, ST. LOUIS, MO.

A complete line of Wire Designs.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

5515 Fifth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets, Solicited.

J. M. COHEN, Florist,

Telephone 2385.
CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
JUNE SPECIALTIES. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

GHORMLEY & PERKINS,
Wholesale Commission **Florists,**
New and Commodious Establishment at *57 West 28th St., NEW YORK.*
Prepared to handle large or small consignments of cut flowers to growers advantage
Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, June 27.

Roses, Beauty select	15.00@20.00
" " medium	4.00@ 6.00
" " culls	50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " " Select	4.00@ 6.00
Carnations	.25@ .50
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 3.00
Sweet peas	.25@ .50
Peonies	1.00@ 2.00
Harrisii	2.00@ 4.00
Cattleyas	30.00@40.00
Gardenias	12.00@15.00
Smilax	8.00@12.00
Asparagus	25.00@35.00
" Sprengerii, per doz. bunches	.75@1.00
Adiantum	.50 .75

BUFFALO, June 28

Roses, Beauty	15.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 6.00
" Perle, Niphetos	3.00
" Kaiserin	6.00
Carnations	1.00@ 2.00
Lily of the valley	3.00@ 4.00
Sweet peas	.25
Harrisii	10.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

We've thousands of readers and hundreds of advertisers. Each helps the other.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. Wholesale Florist.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE.

There Are Buyers
For all kinds of good stock advertised in.....
THE AMERICAN FLORIST

J. K. ALLEN'S
POPULAR WHOLESALE CUT FLOWER HOUSE
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Avenue.

EDWARD C. HORAN,
47 West 28th Street,
NEW YORK.
Telephone 421 Madison Square.
CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE crop of blue grass just harvested in Bourbon county, Kentucky, is said to be of very superior quality.

N. B. KEENEY & SON will erect a three story seed warehouse 36x40 to increase their facilities at Sheboygan, Wis.

LIBONIA, PA.—The seed establishment of Geo. W. Park is to be removed to Lancaster county, near Gordonsville.

VISITED CHICAGO: W. W. Harnden, of Kansas City, Mo., returning from the Republican national convention at Philadelphia.

CARL VON DIPPE, senior member of the well known firm of Dippe Bros., of Quedlinburg, Germany, died of heart disease June 6.

LONDON reports are to the effect that haricot beans continue scarce and that blue peas are steady in both value and demand.

D. M. FERRY failed of nomination as the republican candidate for governor of Michigan at the convention at Grand Rapids June 28.

PARIS, FRANCE.—Mid-June visitors to the exposition were William Henry Maule, of Philadelphia; R. W. Clucas, of Clucas & Boddington Co., New York; the Mussey brothers, of Paterson, N. J.; Mrs. F. W. Barteldes and Mrs. Max Wilhelmi and children, of Lawrence, Kans.

Resolutions of Respect.

At the eighteenth annual meeting of the American Seed Trade Association, the following resolutions were presented by J. E. Northrup, chairman of the committee on obituary resolutions:

WHEREAS, Since our last meeting it has pleased Almighty God to remove from our midst our fellow member, Chas. Copeland Morse, of Santa Clara, California; and,

WHEREAS, During the many years of his association with us we had learned to recognize the value not only of his special attainments in the line of his chosen work, and his thorough reliability as a seed grower, but his sterling manhood, his undeviating adherence to what he believed to be right, and the far reaching influence of his life and character; now, therefore, be it

Resolved, By the American Seed Trade Association in convention assembled, that we do hereby tender to his business associates our sympathy for the deprivation in the conduct of their business of the benefit of his wise counsel and advice; but more than all our sympathy goes out to his wife and children in the great sorrow which has come to their hearts and home. Assuring them also that his memory will ever be cherished among us as one whose daily life afforded an example worthy of our remembrance and emulation; be it therefore further

Resolved, That the secretary of this association be directed to spread these resolutions on its records and that a copy of same be sent to the family of the deceased.

WHEREAS, Death has again appeared in our midst, and removed from our number our fellow member Buel Lamberson, of Portland, Oregon; and,

WHEREAS, During the period of his association with us we had learned to appreciate not only his true worth, kindly disposition, and cordial nature, but his broad and public-spirited character, and,

WHEREAS, We appreciate the loss which his death brings to the city and state of his adoption, of whose resources he was ever ready to speak, and upon the future of which he delighted to dwell, but above all, to his sorrowing wife and children who are thus deprived of a tender and considerate husband and father; now, be it

Resolved, By the American Seed Trade Association in convention assembled that we tender to his bereaved family assurances of our fraternal sympathy and regard, and assure them that his cheerful presence will ever remain a bright and helpful influence with those who knew and loved him; and be it further

Resolved, That the secretary of this association be directed to spread these resolutions on its records, and that a copy be sent to the family of the deceased.

CHAS. H. BRECK,
HERBERT W. JOHNSON,
J. E. NORTHRUP,
} Committee.

Low-Priced Seed May be Expensive.

In a bulletin issued some time ago by the Department of Agriculture, Washington, D. C., A. J. Pieters, in charge of pure seed investigations, makes the following remarks under the above head:

While it is difficult to estimate the money loss chargeable to poor seed on account of extra labor, loss of the use of land and the introduction of weed seeds, it is easy to determine the exact loss due to the quality of the seed itself, reckoned on the increased price for the seeds that actually come up and grow.

A sample of seed may contain:

1. Pure and germinable seed, that is, seed that will grow and produce the kind of plants wanted.
2. Chaff, sticks and dirt.
3. Dead seeds of the kind purchased.
4. Weed seeds and field seeds other than those wanted.

Of these the pure and good seed only is of any value, the remainder either being useless or positively harmful. The value of the sample to the farmer will depend, then, upon the amount of pure and germinable seed present. It is for this that the farmer pays, and whether the seed is cheap or expensive depends not solely upon whether it is low or high priced, but upon how much he pays per pound of good seed. The term "Actual or net value" is used in seed-testing establishments to indicate the proportion of seed that is both pure and germinable. For example, if a sample of clover seed has 98 per cent of pure seed and 90 per cent of this will germinate, then the proportion of good clover seed in the entire sample is 90 per cent of 98 per cent, or 88.2 per cent. This represents the net value of the seed, and in a scale of 100 the sample is said to have a net value of 88.2. The standard weight of a bushel of red clover is 60 pounds and a sample having a net value of 88.2 will contain 52.9 pounds of good seed. The net value of the seed sold on the market varies widely and there is no constant relation between cost and value.

LAKE GENEVA, WIS.—O. W. Potter is installing a new hot water heater, the Furman No. 8, from Riemer & Rodmer, of Milwaukee.

JACKSONVILLE, FLA.—A. W. Coleman, the landscape gardener who has recently become superintendent of Evergreen Cemetery, is making marked improvement in the horticultural features of the tract.

DIXON, ILL.—O. L. Baird has recently purchased the Pratt place and added the glass to this range. He will now remodel his rose house and build a new palm house, using the present one for storage room. He reports trade as never better than this spring.

CINERARIA--CALCEOLARIA--PANSY

Cineraria, James' Giant strain, the finest strain offered, per packet, 35c; ½ tr. pkt., 65c; tr. pkt., $1.00.
Calceolaria, James' Giant strain, unsurpassed; ½ trade packet, 30c; trade packet, 60c.
Pansy, Johnson & Stokes' Kingly strain, comprises all the giant sorts of merit; per packet, 25c; ½ trade packet, 30c; trade packet, 50c; per oz., $5.00.
Asparagus Sprengerii, 100 seeds, 50c; per 1000 seeds, $4.00.
Asparagus Plumosus Nanus, 100 seeds, $1.00; per 1000 seeds, $9.00.

JOHNSON & STOKES, SEEDSMEN. 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans Paper While Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address
H. H. BERGER & CO., (Est. '78) **47 Barclay St., N.Y.**

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.
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J. OLBERTZ, Bindekunst Verlag,
ERFURT, DEUTSCHLAND.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition

KENTIA BELMOREANA, per 1000, $4 00; 5000 to 10,000 at $3.50; 10,000 and over at $3.00.
KENTIA FORSTERIANA, per 1000, $4 00; 5000 to 10,000 at $3 50; 10,000 and over at $3.00.
LICUALA RANDIS at $3.00 per 1000.
Also **CYCAS REVOLUTA STEMS** in assorted sizes, 3 lbs. to 12 lbs., at $8.00 per 100 lbs., while unsold.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Field Grown **CARNATIONS**

Orders booked now for fall delivery.
GEO. HANCOCK & SON, Grand Haven, Mich.

VAUGHAN'S LIST OF SEASONABLE SEEDS ...For... Florists' Use.

PRIMULA SINENSIS FIMBRIATA, (Chinese Primroses).

	250 seeds.	1000 seeds.
Alba, pure white	$ .50	$1.50
Chiswick Red bright red	.50	1.75
Kermesina Splendens crimson	.50	1.75
Atrosanguinea, brightest deep red	.50	1.70
Alba Magnifica snow white, of excellent form and habit.	.50	1.70
Peachblossom, beautiful white with pink hue	.50	1.70
Blue, a clear sky-blue	$ .50	$1.70
New Upright Deep Velvety Red	.50	1.75
Rosea, bright pink	.35	
Mont Blanc, new, large, pure milk-white flowers	.50	
Striata, white and lilac striped	.35	
PRIMULA Mixed, a splendid variety. ⅛ oz., $3.00;	.25	1.25

VAUGHAN'S COLUMBIAN CINERARIAS.—This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Per T. pkt., about 1000 seeds, 50c; 3 pkts. for $1.25.

CALCEOLARIA HYBRIDA.—Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties and we know it will give entire satisfaction. Trade pkt. (1000 seeds), 50c.

CYCLAMEN, Giant Flowered. *Cyclamen Persicum Giganteum Splendens.*—We have an extra fine strain of this grand market plant. Unsurpassed for size of bloom and variety of colors.

	100 seeds.	1000 seeds.
Giganteum Album, Mont Blanc, pure white	$ .75	$5.00
Deep Crimson, very large	.75	5.00
Rosa von Marienthal, splendid pink	.75	5.00
White, Carmine Eye	.75	5.00
Giant Flowered Sorts best mixed	⅛ oz., $1.50;	.50 4.50
CYCLAMEN, Persicum, fine mixed	pkt., 25c; ¼ oz., 70c;	oz., $2.50

For full list of Seeds, write for our Import List just out.

Vaughan's International Primula Mixture. This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites pinks and reds, with a sprinkling of other colors enough to give a large variety of colors, the most important shades predominating. It contains some of the above mentioned Giant sorts, some Fern leaved, some blue; also some with dark leaves and stems. Pkt., 300 seeds, 50c; 5 pkts., (1750 seeds,) $2; per 1-16 oz., $2.50.

Bamboo Cane Stakes,
Per 100, 75c; 250, $1.25; 1000, $4.00; f. o. b. Chicago.

Rose Grower Bone Meal,
The best for Florists' use. It is ground fine, hence is quick acting. 50 lbs., $1.00; 100 lbs., $2.00; 200 lbs., $3.50.

CHICAGO, 84-86 RANDOLPH STREET. **VAUGHAN'S SEED STORE,** NEW YORK, 14 BARCLAY STREET.

LAKEVIEW ROSE GARDENS, HEADQUARTERS FOR
Wholesale Growers,
Cut Flowers.
LONG DISTANCE PHONE. JAMESTOWN, N. Y.

SMILAX.

	Per 100
Fine plants, 2-in. pots	1000, $8.00; 1.00
ASPARAGUS Sprengerii, 2-inch pot	3.00
ASPARAGUS Plumosus Nanus	4.00
Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea	2.00
Pansy seed, large-flowering	$4.00 per oz.

—CASH PLEASE—

JOS. H. CUNNINGHAM
DELAWARE, O.
Please mention the American Florist when writing.

SPECIALTIES IN BEST ....VARIETIES
ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. **VIOLETS.**
WOOD BROTHERS, FISHKILL, N.Y.
Please mention the American Florist when writing.

THE VERY FINEST STOCK OF
IVORY 'MUMS
$2.00 per 100, $17.50 per 1000.
2500 ready in prime condition for this and next week's plants. 2000 for later planting. Your money back if not A1.
HENRY EICHHOLZ, Florist, Waynesboro, Pa.

CARNATIONS.
Strong and well-rooted cuttings ready now of the following varieties:

	Per 100.	Per 1000.
Eldorado	$1.25	$10 00
Scott	1.25	10 00
McGowan	1.25	10.00
Portia	1.25	10.00
Ivory and Silver Spray	1.00	9.00
Also fine **Lady H. Campbell**, rooted runners	.75	

JOS. RENARD, Unionville, Chester Co., Pa.

....AN....
Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

NOVELTIES IN PLANTS
That Can't Be Had Elsewhere
Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr Peter Barr's New White Lupin The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea Send for Catalogue of Novelties
Always in quantity—Asparagus Sprengeri, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices
A. BLANC & CO., Philadelphia, Pa.
Please mention the American Florist when writing.

BOSTON FERN ...A... SPECIALTY.
L. H. FOSTER, 45 King St., Dorchester, Mass.
Please mention the American Florist when writing.

MÖLLER'S Deutsche Gärtner-Zeitung
The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.
Möller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription $3.00 per annum, including postage. Sample copies free.
Ludwig Möller-Erfurt. (GERMANY)
Please mention the American Florist when writing.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

A CONFERENCE on arboriculture and pomology sits at the Paris Exposition on September 13 and 14.

LOUIS LEROY, the well known nurseryman of Angers, France, has been appointed chevalier of the Legion of Honor by the President of France.

THE Oregon Nursery Company has been incorporated at Salem, Ore., with capital stock of $20,000. Malcom McDonald, Archie McGill and A. W. McDonald are the incorporators.

JACOB MOORE, of Rochester, the originator of Brighton grape, Barseckle pear and other well known varieties of fruits, who has long been seeking a measure of protection for the owner of new sorts, having appealed without result to the authorities of New York state, announces that he will never resume his work of cross-fertilization.

Theodore J. Smith.

Theodore J. Smith, the newly elected president of the American Association of Nurserymen, was born in Geneva, N. Y., June 28, 1862. He received his early education in the public schools of that city and later entered Hobart College, from which he was graduated in 1884. He studied law for a short time but found that profession uncongenial and accordingly joined his father and uncle, Thomas Smith and William Smith, who were pioneer nurserymen, having established the old Geneva Nursery in 1846, under the firm name of W. & T. Smith. In 1892 the concern was incorporated and Mr. Smith has since that time been its secretary and treasurer. Aside from close attention to the nursery business he has also given much time to other commercial institutions, chiefly local in character, and is now president of the Geneva Optical Company and was, until quite recently, president of the Baltimore Retort Company, of Baltimore, Md. While never going into politics Mr. Smith has served his native city for several years, first as a member of the Water Board and afterwards on the Board of Public Works. The W. & T. Smith Company, of which Mr. Smith is the active manager, is one of the largest establishments of the kind in the country and has an extensive patronage and an enviable reputation. The next meeting of the nurserymen's association will be held at Niagara Falls at the time of the Pan-American Exposition in Buffalo, only a few miles distant, and for this reason it is expected that the session will be largely attended and most interesting, an end to which Mr. Smith is prepared to devote no little energy.

St. Louis.

TRADE FAIR BUT STOCKS LIMITED.—SWEET PEAS IN UNWIELDY OVER-SUPPLY.—PERSONAL DOINGS AND VARIOUS NOTES OF INTEREST.

Trade is fairly good, with the market glutted with sweet peas, just enough carnations to meet the demand and roses of good grade hard to get. Perles, Meteors of very good quality and Bridesmaids are about all that can be secured. Lily of the valley only comes in on special orders and they are few and far between. This is practically all the stock there is that is worth mentioning, and prices remain unchanged. Sweet peas are being overdone. To sell all that comes in is an impossibility at present and those who contemplate growing them next year had better go slow. They are undoubtedly a good thing and large quantities are sold, but the supply since June 1 has far exceeded the demand.

The firm of Felter & Bruecker, 4335 Lexington avenue, has dissolved partnership. Wm. Bruecker is establishing himself on Marcus avenue, several blocks north of Natural Bridge road, where he has bought about a half acre of ground and nearly completed the erection of a greenhouse 25x125. He will grow carnations and pot plants.

A call upon Theodore Faller on Natural Bridge road this week finds him, as usual, busy with his field stock, which is in good condition. He has torn down one of his greenhouses and is replacing it with a more modern structure, in which he will grow carnations.

R. J. Mohr, a student at the Missouri Botanical Garden and former Omaha florist, is in Philadelphia this week. His thesis work is sweet peas and before returning home he expects to visit Burpee's farms and Dreer's to view their trials of sweet peas.

The price of admission to the chrysanthemum show this season will be 25 cents. The exhibition committee of the club meets again this week to pass on the preliminary list before placing it in the hands of the printer.

H. G. Berning has just returned from a trip to Kansas City and Pleasant Hill, Mo., where he has been visiting Geo. M. Kellogg's places and others. M.

THEODORE J. SMITH.
President American Association of Nurserymen.

PENN YAN, N. Y.—Grove P. Rawson was the leading trade exhibitor at the rose show opened here June 21.

BURLINGTON, WIS. — The Burlington Floral Co. has just installed a large steam boiler, the Furman No. 8, Riemer & Rodmer, of Milwaukee, doing the work.

PROVIDENCE, R. I.—The annual rose and strawberry show of the Rhode Island Horticultural Society has been in progress this week and in many of its features excelled its predecessors.

BELLEVILLE, ILL.—Dr. A. S. Halstead has issued notices that, Wm. Trillow having retired from the management of the St. Clair Floral Company, he is again in full control of the establishment.

WASHINGTON, D. C.—Daniel Dewar, who was connected with the Botanic Garden here in early life, died recently at his home in Scotland. In his later years he was forester to Lord Lovat, at Beaufort Castle, Inverness.

WEST BROOKFIELD, MASS.—The Herbert Brown greenhouse establishment was fired by incendiaries June 12 for the second time in six months. The fire department did good work and confined the flames to the office and boiler rooms, but the loss was considerable

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.
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For Your { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
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ASSORTED FERNS
In Flats,
Ready for Potting, $2.00 Per Flat.
Ampelopsis Veitchii,
Pot Grown, $6.00 Per 100.
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RUTHERFORD, N. J.

Chrysanthemums
Ivory, Bonnaffon, Mrs. Robinson, Merry Monarch, Bloodgood, from 2-in. pots $1.75 per 100 $15 per 1000. CASH. H. DANN & SON, Westfield, N. Y.

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	Per doz.
Beauties, long	$3.00 to $4.00
" medium	2.00 to 3.00
" short	.75 to 1.00
	Per 100.
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Bride, Bridesmaid	3.00 to 6.00
Meteor	3.00 to 6.00
Roses, our sel., ass't.	3.00
Carnations, extra select fancy	2.00
Fancy stock	1.25 to 1.75
Medium Grade	1.00 to 1.50
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Sweet Peas	.30 to .60
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Corn Flower	.40
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Common Fern, 25c per 100, $2 pr. M.
Lots of 5000 Ferns.....$1.25 pr. M.

KENNICOTT BROS. CO.,

42 and 44 East Randolph St.,

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Choice Pot Plants, 1c Each

We wish to give our customers the benefit of very low prices for a short time.

Geraniums, the choicest, most desirable varieties to be had, true to name. Bruanti (best semi-double scarlet), S. A. Nutt, Athlete, White Swan, La Favorite, Mrs. J. M. Garr (best single white), Beaute Poitevine, American Wonder, Mrs. E. G. Hill, Mme. Bruant and others, $2.00 per 100, strong 2½-in.; Rose Geraniums and Mme. Salleroi, 1c each, strong 2-in.

Petunias, double fringed, in full bloom, Henderson's and Dreer's latest superb sets, strong 2-in. 1c each; really worth $1.00 per doz.

Fuchsias, choicest sorts, strong 2-in., $1.50 per 100; fine 4-in., full bloom, at 6c; 2½ and 3-in. at 2c.

Coleus, elegant named varieties, all beauties. 1c each, strong 2 and 2½-in.

Ageratum, Princess Pauline (latest blue), strong 2-in., 1c.

Salvias and **Giant Alyssum,** 1c.

Asters, Giant Comet (true) in pure white and lavender, pink and white, strong 2-in., 1c. Plant in bench, they'll pay.

Roses, fancy extra select Brides, Perles and Maids, 3-in., 4c; the same in 2½-in. pots, including Meteor, 3c; Kaiserin, Wootton, Golden Gate, Belle Siebrecht, strong 2½-in., 4c.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Please mention the American Florist when writing.

BEGONIA GLOIRE DE LORRAINE

Plants from 2-inch pots,

$2.50 per dozen; $17.50 per hundred.

Money Order Office, Chestnut Hill, Sta. H. Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co., Pa.

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The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

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CHINESE PRIMROSE.

Finest large flowering fringed, single and double, fifteen varieties, mixed, 500 seeds, $1.00; ½ pkt., 50c. Chinese Primrose plants ready in August; of the very finest varieties; singles, $2.00 per 100; doubles, $3.50 per 100.

PRIMULA OBCONICA GRAND. HYBRIDA.

The very finest of the improved Hybrid Obconicas, large flowering and choice colors, truly grand, 1000 seeds, 50c.

CINERARIA GRAND. NANA.

The finest large-flowering dwarf varieties, very showy, in choicest mixture; 1000 seeds, 50c.

PANSY, FINEST GIANTS.

The finest large-flowering varieties to be had, best colors and strong growing, mixed; 3500 seeds, $1.00. A packet of the grand new Forget-me-not "Triumph" added to every order.

THE HOME OF PRIMROSES. **JOHN F. RUPP, Shiremanstown, Pa.**

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WALTER RETZER & CO.,

WHOLESALE GROWERS,

2045-59 Clarendon Ave., (North Halsted St.

CHICAGO, ILL.

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Write, telegraph or telephone.

GALAX LEAVES Brilliant Bronze, $1.50 per 1000; Brilliant Green, $1.50 per 1000. **LEUCOTHOE SPRAYS** Bronze, $1.25 a 100; Green, $1.25 a 100.

FANCY FERN, DAGGER FERN, ETC. At Market Prices.

HARRY A. BUNYARD, 42 W. 28th St., New York City.

Telephone, 2065 Madison Square.

ACALYPHA SANDERI

2½-inch pots, $8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa.

POTTED VIOLET CUTTINGS.

Clear of all diseases, of the different varieties.

FARQUHAR	per 1000,	$20.00
CAMPBELL	"	15.00
PRINCESS OF WALES	"	12.50
LADY HUME, field grown plants,	"	15.00

Money must accompany all orders.
No California for sale now.

GREEN SPRINGS FLORAL CO.,
Louisa County, Waldrop P. O., Va.

VEGETABLE PLANTS.

	Per 1000
CABBAGE, Flat Dutch and others	$1.00
CAULIFLOWER, H. Early Snowball	1.50
PEPPERS, Bullnose Ruby King	1.50
BRUSSELS Sprouts	1.00

All Fine, Large Plants, Ready to Plant Out.

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From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, $2.50 per 100, $20 per 1000.

GERANIUMS, plenty of S. A. Nutt and Bruanti at $6.00 per 100; also a few mixed at same rate; 3-in. at $3.50 per 100. Mme. Salleroi, 3-in., $3.50.

ALTERNANTHERA, from flats, $2 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

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GROWER ...OF...

ARECA LUTESCENS,
KENTIA BELMOREANA,
PHOENIX RUPICOLA.

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50

2½-inch Coleus, Crimson Verschaffeltii, Golden Queen and mixed colors, $2.00 per 100.

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Flatbush.

The following is the score recorded on Flatbush alleys June 21:

Player	1st	2d	3d	Av
P. Riley	171	176	181	176
E. Dailledouze	157	156	162	158
P. Dailledouze	177	115	157	150
C. Wocker	131	134	120	128
A. Zeller	116	102	147	122
H. Dailledouze	129	115	112	119
L. Schmutz	103	127	107	112
C. Zeller	96	104	108	103

At New York.

On Monday, June 25, the members of the New York Florists' Bowling Club rolled three games each, with the following result:

Player	1st	2d	3d	4th	5th	Av
Thielman			140	181	149	153
Loerscher			131	151	144	143
Lang	158	123	139			140
Burns	152	117	149			139
Schenck	138	125	153			139
Traendly			139	116	151	135
Donlan	131	100	172			134
Manda	152	139	102			131
Lentz	101	112	180			131

F. H. T.

At Chicago.

Friday evening, June 22, two of the series of ten match games between Winterson, Hauswirth and Degnan were played, the latter leading by seventeen pins. A series of fifteen games will be played to determine as to the team for the New York convention contest, although it is hardly probable that all of the six players who average highest can arrange to participate in the trip. The following games were rolled during the evening:

Player	1st	2d	3d	4th	Av
George Stollery	157	201	140	159	165
John Degnan	162	149	154	167	158
Chas. Balluff	152	170	169	135	157
Fred. Stollery	141	163	132	156	148
P. J. Hauswirth	127	149	144	160	145
Geo. Asmus	152	183	120	111	142
W. Kreithing	127	123	116	192	140
E. F. Winterson	114	154			134
J. S. Wilson	128	95			112

At Philadelphia.

The bowlers are getting ready to roll in the international championship games in New York in July. Associate members are eligible for this and the club will enter a pretty strong team, but it is hardly likely they will get a place, as over 250 teams of five men each have entered and it will take some great score making to even get a mention in such a race. The team of five men will be selected from the following bowlers who have been playing for a place for the past three months. Three or four matches will be played on outside alleys and the five who average highest will compose the team:

Player	Games	Av
Hamilton	74	173
Johnson	100	172
Mooney	12	168
Moss	100	163
Moore	44	161
Connor	100	159
Harris	100	159
Kuestner	17	158
Allen	66	156
Peterson	12	156
Brown	73	154
Walker	100	152

K.

At Detroit.

The Detroiters made some famous scores in their practice games, Monday evening, June 25, but J. F. Sullivan, who made the high score, 220, was not in it on the average, Frank Holznagle making the very pretty record of 182 for three games. Here are the figures:

Player.	1st	2d	3d	4th	Av
Holznagle	194	212	139		182
Pantke	169	172	175	177	173
Breitmeyer	148	167	185		167
Taylor	147	153	191		164
Ferguson	144	184	143	175	162
Watson	149	167	150		155
Sullivan	149	220	122	112	151
Dunn	144	128	157	134	141
Davis	161	110	105	125	125
Pickworth	133	120	94	132	120
Beard	82	86	91	97	89

With Philadelphia Gunners.

The gunners had a shoot for the Westcott trophy last Tuesday afternoon. W. K. Harris, the veteran shot, appears to be getting as ambitious and expert at the traps as he is on the bowling alleys. He came out on top in this contest and is now in a fair way to win the prize. They shot at fifteen targets known angles, fifteen unknown and ten pairs of doubles. The club championship was also shot off. The score follows:

Name	Known	Unkn	Dbl	Hdcp	Total
Harris	13	8	15	14	50
McKaraher	10	9	12	18	49
Hallowell	14	12	15	7	48
Ball	14	7	12	14	47
Bell	11	9	12	14	46
Eisenlohr	12	9	9	15	45
Anderson	13	10	12	10	45
Cartledge	12	12	13	8	45
Smith	10	6	13	14	43
Webster	7	7	9	19	42
Westcott	7	4	11	19	41
Dorp	9	6	11	14	40
Coleman	12	7	12	9	40
Parsons	10	5	12	11	38
Burton	9	9	10	10	38
Whittaker	11	5	5		21
Lawrence	8	11			19
Clark	6	5	7		18
Park	6	7			13
S. Castner	3	4			7
P. Castner	3	2			5

Club championship contest—Hallowell, 41; Cartledge, 37; Harris, 36; Anderson, 35; Ball, 33; Coleman, 31; McKaraher, 31; Eisenlohr, 30; Bell, 30, Smith, 29; Burton, 28; Parsons, 27; Dorp, 26; Webster, 23; Westcott, 22.

Boston.

ROSES AND STRAWBERRIES AT HORTICULTURAL HALL.—DISPLAY EXCELLENT IN EVERY PART.—SHOWING OF ROSES.—OTHER GOOD EXHIBITS.—CUT FLOWER TRADE LIGHT.—OUTSIDE BLOOMS INTERFERE.—PERSONAL NOTES AND VISITORS.

The rose and strawberry show at Horticultural Hall last week was exceedingly fine in every department. The display of hybrid perpetuals was very large, occupying nearly the entire upper hall. As in the past, M. H. Walsh, of the J. S. Fay estate, was the largest exhibitor and staged some 2,000 blooms of rare beauty. Other large displays of roses were made by Miss E. J. Clark, Mrs. J. L. Gardner, W. J. Clemsen, Mrs. O. S. Paige, Mrs. R. M. Clark, Mrs. E. M. Gill, Dr. C. G Weld, Francis Blake and others. W. A. Manda received a certificate of merit for his new hybrid Pink Pearl, and Jackson Dawson a silver medal for Lady Dunham. The hall was much improved by the groups of foliage plants which this year's schedule provided for. These were arranged by J. S Bailey, Wm Donald, gardener; Mrs. J. L. Gardner, Wm. Thatcher, gardener, and E. S. Converse, D. F. Roy, gardener, to whom the premiums went in the order named. The lower hall was resplendent in sweet williams, kalmias, pæonies and promiscuous displays of hardy perennials contributed by Rea Bros., Blue Hill Nursery, Carl Blomberg, W. J. Clemsen and W. E. Coburn. J. E Rothwell's orchids were very fine. One Lælia purpurata bore thirty-six flowers and a Cattleya Mendelli twenty-six flowers. T. C. Thurlow's kalmias and E. S. Converse's tuberous begonias were also prime attractions. The show of strawberries was pronounced to be the best in years and this was also true of the vegetable classes.

The cut flower trade is dull, even for this season. It would seem that the flower buying season has closed earlier this year than usual Little demand is experienced in any direction. Outdoor roses, laurels, etc., are at their best this week and fill in a place in the wedding and graduation demand that would, with a more forward season, have made a more lively call on the greenhouse stock. Lily of the valley seems to sell better than anything else for the time being, there being no outdoor flower that can take its place in bridal work.

A large company of friends gathered at the home of Mrs. E. M. Gill, at Medford, on Thursday, June 28, to assist in the celebration of Mrs. Gill's seventieth birthday anniversary. The house was beautifully decorated with roses and the guests brought many handsome gifts to attest their best wishes.

On July 4 the Floral Emblem Society of Massachusetts proposes to distribute a quantity of flowers to the school children of Boston at Horticultural Hall.

Long & Marshall have dissolved partnership by mutual consent. The business will hereafter be conducted by S. E. Marshall & Co.

W. R. Shelmire, formerly of Avondale, Pa., is now with H. N. Eaton, the carnation grower, at South Sudbury, Mass.

Sarah J. Stewart, eldest daughter of Wm. J. Stewart, was married on June 27 to Albert S. Dunnell at Winchester.

W. C. Stickel has purchased a large tract of land at East Lexington.

Visitors: W. F. Sheridan, Mrs. and Miss Berger and Geo. H. Moulton, of New York; Geo. C. Watson, Philadelphia; Geo. B. Wiegand, Indianapolis, Ind.; W. A. Manda, South Orange, N. J.

NEWBURGH, O.—Paul Kunze has succeeded to the business of Kunze Bros.

RANTOUL, Ill. — H. M. Morris has enjoyed so good a trade for the past season that he is preparing to erect another house for carnations.

WHITMAN, MASS.—Robert E. Moir has had a fine increase in business this season and will add two more greenhouses, making seven in his range.

LEXINGTON, KY.—D. Honaker has experienced such an active demand for American Beauties during the past season that he has determined to invest $2,500 in a Beauty house 32x150, which will increase his range to 60,000 square feet.

BUCYRUS, O.—O. Shubert, who married Anna Messner and induced her brother to go into the florist business with him, subsequently leaving both, has been arrested and will be brought back to explain his conduct.

NEWARK, N. J.—The firm of Begerow & Gerlach has dissolved partnership and business will hereafter be conducted by August Begerow. The dissolution is brought about by the ill health of Mr. Gerlach, who will go to Europe for a two or three years' visit.

Chrysanthemums.

Now is the time to plant them We offer extra fine, vigorous plants from 2 and 2½-in pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY.	Per 100	MIDSEASON	Per 100
Ivory	$3.00	Major Bonnaffon	$3.00
M. Henderson	3.00	Wm. Simpson	3.00
Geo. S. Kalb	3.00	V. Morel	3.00
Merry Monarch	3.00	G. W. Childs	4.00
Willowbrook	4.00	H. W. Longfellow	3.00
M. de Montmort	3.00	Mrs. Murdock	3.00
Mrs. J. Whildin	3.00	Mrs T. L. Park	6.00
John K Shaw	5.00	Black Hawk	4.00
Golden Trophy	3.00	Mrs. C. H. Pierce	3.00
Glory of the Pacific	3.00	Mrs. H. Robinson	3.00
		Niveus	3.00

LATE.	Per 100	LATE.	Per 100
Mrs. J. Jones	$4.00	Nagoya	6.00
Liberty	4.00	Xeno	6.00
Merry Xmas	4.00	Adula	3.00
Autumn Glory	3.00	Harry Balsley	3.00
E. Dailledouze	4.00	Mrs. Baer	8.00
Golden Wedding	4.00		

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

BUY NOW

PROPAGATING STOCK for Next Year.

	In. pots	Doz.	100
New Hibiscus, Peachblow, double pink flowers	2½	$1.00	$8.00
New Ageratum, Stella Gurney, dwarf blue	2½	.75	5.00
New Salvia, St. Louis, extra large flower spikes	2½	.75	5.00
New Silver-Leaved Geranium, Wm. Langguth dbl. red flower,	2½	1.50	10.00
Acalypha Sanderi (chenille plant)	3	1.00	6.00
New Rose, Evergreen Gem strong,	2	1.00	8.00
New Rambler Rose, Helene	2½	1.00	8.00

BOSTON FERNS. We have the largest and finest stock in the West. All well-grown, bushy plants in all sizes. Write for prices.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Chrysanthemums.

FOR ALL PURPOSES.

NOVELTIES And STANDARD VARIETIES.

Send Us a List of Your Wants for LOWEST CASH PRICES.

NATHAN SMITH & SON, Adrian, Mich.

NEW CROP

Northern Ferns

NOW READY, 50 cts. per 1000. LAUREL FESTOONING, 4c to 6c per yard. Best goods always.

CROWL FERN CO., Millington, Mass.

Please mention the American Florist when writing

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

Roses ALL FLOWERS IN SEASON Carnations

When you want them.
As you like them.

E. C. AMLING,

Wholesale Cut Flowers,

32-34-36 Randolph St. CHICAGO.

After July 2 this store closes at 5 p. m.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at **$2 00 PER 100** and up.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

ROSES and CANNAS.

Am. Beauties, 3-inch, $6.00 per 100. Pres. Carnot, 3-inch, $6.00 per 100. Souv. de Wootton, 4-inch, $7.00 per 100.

Paul Bruant, deep red; Chas. Henderson; A. Ferrier, bronze; F. Vaughan; started plants, $6.00 per 100.

ROBERT F. TESSON, West Forest Park, St. Louis.

SMILAX, From Pots, Ready Now.

$1.50 per 100, $15 per 1000.

Asparagus Plumosus,

From 3-in. Pots, Ready July 15th,

$6 per 100, $50 per 1000.

You will make no mistake in sending me your order; this stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

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POT PLANTS
FLORISTS' FLOWERS
TREES AND SHRUBS
Also PARK AND GARDEN SCENERY.

PRICE FOR CASH ONLY 15 CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.
.....324 Dearborn Street, CHICAGO, ILL.

New Orleans.

FLORISTS RECUPERATING AFTER A BUSY SEASON.—PLAN A VACATION TRIP INTO THE GULF.

After the hard work which we have had during the busy season, the florists needed recreation and the last meeting of our society looked like a real glee club meeting. Very little was heard of any horticultural subject. We had to decide where to go to spend our vacation of a few days. A trip to the Paris fair being too much for our purse, we voted for going to Grand Isle on the gulf and we expect to take our summer outing sometime during the next month.

Going among a few florists some days since, I found J. H. Menard about to move his store to a better and more central location, on Baronne street, near Canal, in front of the two recently built theatres, the Crescent and the Tulane. No doubt such a move will increase his already well established business.

E. Valdejo, like several others, is repairing and making many improvements, but will build no new houses.

M. Cook is building a new greenhouse 25x100 in the rear of his office.

M. M. L.

FARMER CITY, ILL.—John McDonald has found trade so good the past season that he is increasing his facilities for next year.

NEW HAVEN, CONN.—At the meeting of the managers of the Horticultural Society on Monday evening, June 12, it was decided to distribute 5,000 chrysanthemum plants to the school children of New Haven, who will be asked to bring them to the exhibition which is to take place on November 14, 15 and 16.

Rose Plants.

		Per 100	Per 1000
METEOR,	3½-inch pots	$5.00	$40.00

Potted and repotted four times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.

3000 2½ & 3-in. BRIDES-3000 2½ & 3-in. MAIDS

500 2½ & 3-in. METEORS

All at $3 00 per 100, $25.00 per 1000.

Stock in good healthy condition. Order now.

FREY & FREY, LINCOLN, NEB.

20,000 ROSES

Am. Beauties in 3-in. $7.00 per 100; $65.00 per 1000; 3½-in. $8.50 per 100; $75.00 per 1000. Kaiserin and Golden Gate, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $5.00 per 100; $45.00 per 1000. Perles, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $4.50 per 100; $40.00 per 1000. Brides, Bridesmaids, Meteors, Mme. Garrett and a few Mermets, 3 in. $3.50 per 100; $30.00 per 1000; 3½-in. $4.50 per 100; $40.00 per 1000. These are fine. Send for sample. Cash with order. **Mrs. J. W. Crouch, Chattanooga, Tenn.**

CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

FORCING ROSES

THIS IS NOT SURPLUS STOCK, IT HAS BEEN GROWN ESPECIALLY FOR WINTER BLOOMING, AND WILL GIVE SATISFACTION TO THE MOST CRITICAL BUYERS.

		Per 100
AMERICAN BEAUTY	3-in.	$7.00
BRIDE	3-in.	4.00
BRIDE	4-in.	6.00
BRIDESMAID	2½-in.	3.00
BRIDESMAID	4-in.	6.00
PERLES	3-in.	4.00
METEOR	2½-in.	3.00
MME. C. TESTOUT	2½-in.	$3.00
GOLDEN GATE	2½-in.	3.00
GOLDEN GATE	3-in.	4 00
MAID OF HONOR	2½-in.	3 00
MAID OF HONOR	3-in.	4 00
SOUV. DE WOOTTON	3-in.	4.00

Also a fine stock of **Maidenhair Ferns.** **Adiantum Cuneatum,** 3 in., 75c per doz., $5 per 100.

Terms: **CASH WITH ORDER.** Address

Forest City Greenhouses. **H. W. BUCKBEE, ROCKFORD, ILL.**

LAST CALL! 6000 METEOR ROSES

FROM 2½-IN. POTS.

This stock is A1 in every respect and as good as any we have sent out, which has given general satisfaction.

J. A. BUDLONG, 37-39 Randolph St., CHICAGO.

40,000 FIRST QUALITY FORCING ROSES. READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

WOOTTON, LA FRANCE, AMERICAN BEAUTY, GOLDEN GATE,
3-inch pots, $8 00 per 100 4-inch pots, $12 00 per 100.

METEOR, KAISERIN, SUNSET, BRIDESMAID, BON SILENE,
MERMET, PERLES, BELLE SIEBRECHT, MME. HOSTE, BRIDE.
3-inch pots, $7.00 per 100. 4-inch pots, $10 00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY

Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

To Close Out.

METEORS in 4, 3 and 2½ in.
MAIDS in 3, 2½ and 2-in.
BRIDES in 3 and 2-in.
PERLES in 3, 2½ and 2-in.
KAISERINS in 2½ and 2-in.
LA FRANCE in 2½ and 2-in.
BELLE SIEBRECHT in 2½ and 2-in.
GOLDEN GATE in 2½ and 2 in.
WOOTTONS in 3, 2½ and 2-in.
SMILAX in 2-in.

We believe in shifting young roses often. All stock offered in 2½-inch pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established.

23 Houses, 60,000 Feet of Glass. Write

GEO. A. KUHL, Pekin, Ill.

Send $1.00 for samples of what you want; that way you see what you get. Satisfaction guaranteed.

Maids, Brides and Perles

10,000 strong, healthy plants, in perfect condition to plant. No finer stock on the market.

	Per 100	Per 1000
3-inch Stock.		
BRIDES	$4 00	$35.00
MAIDS	4 00	35.00
PERLES, extra fine	6.00	50.00
2½-inch Stock.		
BRIDES	3.00	25.00
MAIDS	3 00	25.00
PERLES	4.50	40.00
METEORS	2 50	

Samples sent if stamps for postage accompany request. This stock is worth more money than we ask for it, and will give you satisfaction.

W. H. GULLETT & SONS, Lincoln, Illinois.

ROSES

	2½-inch. Per 100	2½-inch. Per 1000	3-inch Per 100	3-inch Per 1000
Brides	$3.00	$25.00	$5.00	$45.00
Maids	3.00	25.00	....	.....
Cloth. Soupert	3.00	25.00	5 00	45.00
Meteor	3.00	25.00	5.00	45.00
Niphetos	3.00	.....	....	.....
Mosella	3 00	25.00	....	.....
Mme. Chatenay	3.00	25.00	....	.....
Papa Gontier	3.00	.....	....	.....
Am. Beauty	....	.....	8.00	75 00

	Per 100	Per 1000
Mixed Jardinier Ferns, mostly pteris varieties	$3.00	$25.00
Asparagus Sprengerii, 2½-in	4.00	35.00
" Plumosus, "	6.00	55.00

J. B. HEISS,

The Exotic Nurseries,

DAYTON, O.

PANSIES

THE JENNINGS STRAIN of Show and Fancy Pansies. New Crop Seed Now Ready.

My 1900 strain is of the highest standard and cannot be excelled by any. Finest mixed, 2500 seeds, $1.00; ½-oz., $2.50; oz., $5.00. Yellow, white, blue and black, in seperate colors. 50c per pkt., postpaid by mail. Small Pansy Plants, 60c per 100 by mail. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies,
Lock Box 254. SOUTHPORT, CONN.

ROSES, Brides and Maids

Nice, strong, bushy plants in 3-inch pots, ready for 4-inch, $4 per 100, $35 per 1000.

WM. LAISLE, KEOKUK, IOWA.

OUR DIRECTORY FOR 1900 WILL BE MAILED TO YOU PROMPTLY UPON APPLICATION. PRICE, TWO DOLLARS.

Roses for Florists

OUR Rose Plants are all grown for the trade. We do not grow cut flowers. Such plants, we claim, are well worth more money than ordinary *surplus* stock.

Our Roses are all shifted from 2-inch pots and equal to most stock usually sold as 3-inch.

	2½-in., per 100	3½-in., per 100
American Beauty	$6.00	$12.00
Brides	3.00	8.00
Bridesmaids	3.00	8.00
Perles	3.50	9.00
Kaiserin	4.00	10.00
Meteor	3.00	7.00
Wootton	5.00	
Golden Gate, 2-in.	3.00	
Sunset	4.00	10.00

Bedding Roses, in 2-in. pots, strong stock, in variety, $2.50 per 100, $20 per 1000.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

ROSE PLANTS

		Per 100	Per 1000
METEOR, BRIDESMAID, BRIDE, LA FRANCE	2½-in. pots.	$3.00	$25.00
	3 " "	4.00	35.00

AMERICAN BEAUTY, 3-inch pots, $6.00 per 100.

AMERICAN BEAUTIES, lifted from benches, $2.50 per 100, $20.00 per 1000.

LA FRANCE, lifted from benches, $2.50 per 100, $20.00 per 1000.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

ROSE PLANTS Good, Healthy Stock.

BRIDESMAIDS, KAISERINS — 3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES — 2½-in., $3 per 100, $25 per 1000.

Cash With Order.

Martin A. Magnuson,

3309 N. Western Ave., CHICAGO, ILL.

CABBAGE. CABBAGE.

H. Succession, Early and Late, Flat Dutch, Drumhead Savoy and other varieties, field grown plants, 15c per 100, $1.00 per 1000, $8.50 per 10,000.

CELERY

White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready; 15c per 100, $1.00 per 1000, $8.50 per 10 000. (Large enough now for transplanting at 75c per 1000).

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

Young Beauty and Rose Plants

WE OFFER

The following stock, subject to previous sale. Plants are first class in every way.

		Per 100	Per 1000
3000 Am. Beauties, 2-in. pots,		$6.00	$50.00
4000 Meteors	" "	3.00	25.00
3000 Bridesmaids	" "	3.00	25.00
4000 Brides	" "	3.00	25.00

All Orders will be Shipped from Hinsdale.

BASSETT & WASHBURN,

76 and 78 Wabash Ave., CHICAGO, ILL. Greenhouses, Hinsdale, Ill.

FORCING ROSES

GILT-EDGED STOCK, GROWN FROM SELECT WOOD AND WILL SATISFY THE MOST CRITICAL BUYER.

3-inch Pots.	Per 100	Per 1000
PERLE	$6.00	$50.00
BRIDESMAID	6.00	50.00
BRIDE	6.00	50.00
METEOR	6.00	50.00
KAISERIN A. VICTORIA	6.00	50.00
GOLDEN GATE	6.00	50.00

This stock is now in extra fine growing condition, ready for immediate planting. TERMS cash with order, or satisfactory reference. Address

S. ALFRED BAUR, SUCCESSOR TO HENRY A. NIEMEYER, **Erie, Pa.**

ROSE PLANTS

		Per 100	Per 1000
AMERICAN BEAUTY	2½-in.	$5.00	$45.00
METEOR	"	3.00	25.00
BRIDE	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
PERLE	"	3.50	30.00
AMERICAN BEAUTY, lifted from benches			35.00

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave., CHICAGO, ILL.

LEADING CHRYSANTHEMUMS.

White—Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jones, Independence, Weeks, Frank Hardy; **Yellow**—Golden Trophy, Henderson, Johnson, O. P. Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch; **Pink**—Montmort, Glory de Pacific, Morel, Perrin, Murdock; **Bronze**—Chas. Davis; **Red**—Geo. W. Childs; Lottie Berry, out of 2½-in. pots, $2 per 100, $18 per 1000.

Also **White**—Lady Fitzwygram, Mayflower, Chadwick and Western King; **Yellow**—Golden Wedding, Yellow Jones, H. W. Rieman; **Pink**—Autumn Glory; **Red**—Defender, Schrimpton; **Bronze**—Lady Hanham; 2½-in pots, $2.50 per 100, $22.50 per 1000; 5.00 or more at 1000 rates.

ROSES, Bridesmaids and Brides, 3-inch, $4 per 100, $35 per 1000; ready for benching. Meteors, 2½-inch, $2.50 per 100.

Terms cash, or will send C. O. D.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

Please mention the American Florist when writing

ROSE PLANTS

		Per 100	Per 1000
Am. Beauty,	2½-in. pots	$5.00	$45.00
"	3 " "	6.00	55.00
Kaiserin,	2½ " "	3.00	25.00
"	3 " "	4.00	35.00

Bride, Bridesmaid, Perle, Meteor, Golden Gate, 3-in. pots, $4 per 100, $35 per 1000; 2½-in. pots, $3 per 100, $25 per 1000.

PETER REINBERG,

51 Wabash Ave. CHICAGO.

Buffalo.

HOT WEATHER AND A LULL IN TRADE.—ROSES POOR.—A GOOD MONTH.—VARIOUS PERSONAL NOTES.

Summer weather is here and roses, with few exceptions, are very poor and mildewed. Carnations are holding out well and are in good demand. Trade has been good nearly all the way through June, weddings and commencements keeping the ball rolling. This week Scott had the order for an elaborate military wedding.

Store windows are beginning to betray that tired look which is as sure as the calendar in indicating the season. The stores certainly should all close at 6 p. m. during the next two months.

Rebstock and Kasting can be seen any evening, speeding their thoroughbreds in the parks; the best that the rest of us can do is to scorch on bicycles.

Jerry Brookins, of Orchard Park, is still cutting some fine Scott carnations.

W. J. Palmer, Jr., and S. A. Anderson have been away for a week's outing.

Recent visitors: G. B. Wiegand, Indianapolis; Geo. Stafflinger, Springfield, N. Y.

W. A.

NEW LONDON, CONN.—E. A. Smith, recently with S. J. Reuter, at Westerly, is about to open business here.

LAST CALL.

Surplus Stock

At Rock Bottom Prices.

COLEUS, 2½-in., Golden Bedder, Verschaffeltii and other good vars., $1.50 per 100, $12 per 1000.
COBÆA SCANDENS, 5-in., $8.00 per 100.
ALTERNANTHERA, 2½-in., P. Major and A. Nana, $2.00 per 100.
PANSY PLANTS, from cold frame, just commencing to bloom, $1.50 per 100, $10.00 per 1000.
LOBELIA, Dwarf, $2.00 per 100.
VERBENAS, $2 00 per 100.

Will trade any of the above for young stock Boston Ferns.

S. MUIR, *3530 MICHIGAN AVE., CHICAGO, ILL.*

FLORISTS' ORCHIDS

.......The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

A. DIMMOCK, Agent, 60 Vesey St., N. Y.

Orchids!

Arrived in excellent condition: Lælia purpurata, L. grandis tenebrosa and Oncidium Varicosum Rogersii. Also Cattleya Percivalliana, C. Mossiæ, Lælia anceps and L. autumnal s.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

ROSES, Brides, Maids, Meteors and Golden Gates, extra fine clean growing stock, 4-in., $6.00 per 100; 3-in., $4 00 per 100.
GERANIUMS, S. A. Nutt and others; 2½-in., $2.50 per 100, 3 in., $4.00 per 100; 4-in., $5.00 per 100.
ASPARAGUS Plumosus seedlings, $3.00 per 100.
" Sprengerii seedlings, $2.50 per 100.
NEP. CORDATA COMPACTA, 3-in, $5.00 per 100; from bench, fine, $25.00 per 100.

CASH PLEASE. **Carl Hagenburger,** W. Mentor Ohio.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the.....

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage 75 cents.

Address **EDITORS OF THE "H. A."**
Chilwell Nurseries, - Notts, England.

Finley Rotary Lawn Rake.

Something New.

"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

The mower and reaper succeeded the scythe; the thresher succeeded the flail—but never until now has a machine been invented to take the place of the antiquated hand rake. The machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind, stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. ☞ A CHILD can run it.
Just the thing to fight crab grass.
It will save its cost in 60 days on any good lawn.

Send for Particulars.

FINLEY LAWN RAKE CO.,

JOLIET, ILLINOIS.

When writing mention American Florist.

Last Call.

			Per 100
10,000 Coleus, named, our selection	2¼	in.	$1.50
5,000 Geraniums, mixed	2¼	"	1.50
3,000 Iresines, red and yellow	2¼	"	1.50
1,000 Alternanthera, large-leaved	2½	"	1 50
1,000 Red Vernon	2¼	"	1.50
1,000 Erfordi	2¼	"	1.50
2,000 Begonias, mixed	2¼	"	1.50
1,000 Fuchsias, mixed	2¼	"	1.50
300 Asparagus plumosus	7	"	20.00

The Morris Floral Co.,

MORRIS, ILL.

XXX STOCK

Special Offer for Immediate Orders.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world. Now ready to ship; a splendid stock of plants in four true colors, red, white, pink and white with red center, from 2½-inch pots, **$4 00 per 100; $35.00 per 1000.** 250 at the 1000 rate. Send in your order at once if you want to secure selected stock.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Aster Plants.

OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

Smilax.

Fine, strong Seedlings from Flats, 50c per 100, $3.00 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

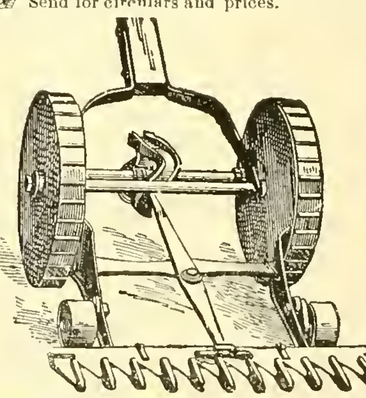
FORBES' Grand New BEGONIA **CALEDONIA**

(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

JOHN FORBES, Nurseryman, HAWICK, Scotland.

THE MOWER

THAT will **KILL ALL THE WEEDS IN YOUR LAWNS.**
If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. **The Clipper will do it.**
☞ Send for circulars and prices.



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Sulpho-Tobacco Soap

Universal Insecticide

For Flowers, Trees and Animals.

Recommended and in use by the foremost florists and nurserymen in the land.

For Sale at the Seed Stores.

ROSE MFG. CO.
NIAGARA FALLS, N. Y.

THE Regan Printing House

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87-91 Plymouth Place,
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Cabbage Plants Premium Flat Dutch and Late Drumhead, first-class plants at 15c per 100, $1.00 per 1000, $8.50 per 10 000.

DAVIS & WEISS, Bloomsburg, Pa.

Please mention the American Florist when writing.

THERE'S MONEY
ALL THE YEAR ROUND

In first-class Florists' Supplies if you buy them from BAYERSDORFER & CO.

BECAUSE

They are personally selected by us after more than a quarter of a century's experience in learning what florists want. There is no requisite from January 1st to December 31st that we cannot supply to stock your store, and always in quality and price that no other house in America can touch.

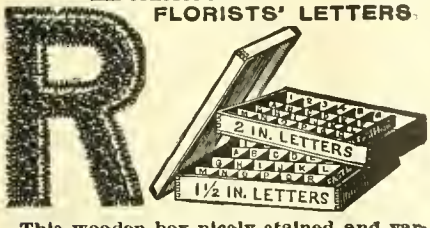
Write us now regarding Summer Goods that will sell.

H. BAYERSDORFER & CO.

50, 52, 54, 56 N. Fourth St.,
PHILADELPHIA, PA.

Boston Florist Letter Co.

MANUFACTURERS OF
FLORISTS' LETTERS.



This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2-inch size, per 100, $2.00.
Script Letters, $4. Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. and Manager,
84 Hawley St., BOSTON, MASS.

A. HERRMANN,

Cape Flowers, ALL COLORS;
Cycas Leaves, Metal Designs,
AND All Florists' Supplies.
Send for Prices.

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Manufacturers of

TIN FOIL

2 AND 4 DOMINICK STREET,
New York.

Sigmund Geller, Importer, Jobber and Manufacturer of
Italian Bleached Wheat, Rush and **Florists' Supplies,** Braids for American Manufacture.

Metal Goods, Moss-Wreathes, Cape Flowers, Immortells, Chenille, Tinfoil, Doves, Baskets, Sheaves, Vases, Jardinieres, Ferndishes, Novelties, etc.

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COCOA FIBRE, SHEEP MANURE, BONE all grades, IMPORTED SOOT, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds, CLAY'S FERTILIZER.

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HORTICULTURAL SUPPLIES.

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Had you any trouble with the MARCH WIND coming through crack or crevice in the Greenhouse?

TWEMLOW'S

Old English Glazing Putty

SEMI-LIQUID OR PLASTIC

Will stop the trouble. Put up in 16 pound cans; 50 and 80 pound buckets.

Hammond's Greenhouse White,

A SUPERB PAINT, with twenty years' record to back it up, for *wear* and *tear* and *looks* on either wood or iron Greenhouses. It stays where you put it. In 5, 10, 15, 20, 25, or 30 Gallons.

HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, New York.

We have at all times a full and complete stock of

"FLORISTS' SUPPLIES"

IMPORTED PREPARED CYCAS LEAVES, CAPE FLOWERS (white and colored), IMMORTELLES (all colors), METAL DESIGNS, BASKETS, PEDESTALS, ETC., ETC. WHEAT SHEAVES a specialty. Send for special prices.

M. RICE & CO., IMPORTERS AND MANUFACTURERS, 918 Filbert Street, PHILADELPHIA, PA.

Vail's New Plant Stake

Cut out of well-seasoned lumber, straight grained, ¼ inch square; a decided improvement over the cane or bamboo. Cut any length desired; always ready for use; 3 ft. at $1 50 per 1000, 3½ ft. at $2.00 per 1000; 4 ft. at $2.50 per 1000; 4½ ft. at $3.00 per 1000; F. O. B. Indianapolis. Remember the freight is cheaper than on cane stakes.

THE VAIL SEED CO., Indianapolis, Indiana.

"NICOMITE"

(PATENT)
Vapor Insecticide
POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.
The Tobacco Warehousing and Trading Co.,
LOUISVILLE, KY.

CAPE FLOWERS 90c per pound. CYCAS LEAVES Raw or prepared.

Prepared Palm Leaves all varieties, also raw or pressed ready for painting. Fan Palms, Arecas, Chamadoreas, Date Palms, Uva Grassea, Milk Weeds, Artificial Flowers and Smilax. Lowest Prices—Largest Stock.

FLORIDA NAT. PRODUCTS CO.,
Box 273. Indianapolis, Ind.

Smilax stringing made easy by the use of
MEYER
GREEN SILKALINE
Just the shade of the foliage.
Samples and prices free.

JOHN C. MEYER & CO.,
80-84 Kingston St. *BOSTON, MASS*
For sale by leading Florists.

REED & KELLER,

Manufacturers of Florists' Designs.
Importers and Dealers in Florists' Supplies.

122 W. 25th St., NEW YORK CITY.

LIQUID PLANT FOOD
For Greenhouse Cultivating.

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H. K. SNIDER, Suite 423, 260 Clark St.

Please mention the American Florist when writing.

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Gardeners' Chronicle.

A Weekly Illustrated Journal.

ESTABLISHED 1841.

The "GARDENERS' CHRONICLE" has been FOR OVER FIFTY YEARS THE LEADING JOURNAL of its class. It has achieved this position because, while specially devoting itself to supplying the daily requirements of gardeners of all classes, much of the information furnished is of such general and permanent value, that the 'GARDENERS' CHRONICLE" is looked up to as the STANDARD AUTHORITY on the subjects of which it treats.

Subscription to the United States, $4.20 per year. Remittances to be made payable to H. G. COVE.

OFFICE:—
41 Wellington St., Coven Garden, London, England.

KIFT'S PATENT **Adjustable Vase Holders**

No. 1—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2 50. No. 2—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-in. pots, each, $1.75.

Kift's patent rubber capped **Flower Tubes,** ½-in. diameter, per 100, $3.50.

JOSEPH KIFT & SON, Florists,
1735 Chestnut St. Philadelphia, Penn.

New Haven.

TRADE FAIR BUT COMMENCEMENTS AT AN END.—AN ESCAPE FROM SERIOUS INJURY.—NOTES AND VISITORS.

There has been no change in business conditions since last week. Commencements have used up many flowers, but Harvard closes next week, which puts an end to social activity for two months at least, and people are commencing to go to the country and seashore and in a short time business will be at a standstill for the summer. Flowers of all kinds are looking very good, especially carnations.

While Mr. and Mrs. Geo. B. Whitehead, of Greens Farms, were out driving on the morning of June 16, they were run into by a four-horse coach containing an outing party, both teams going over a twenty-foot embankment, killing one of Mr. Whitehead's horses and one on the coach. Mrs. Whitehead had a very narrow escape from serious injury.

New Haven will be well represented at the S. A. F. convention in New York.

Recent visitors: A. W. Perkins, of Rutland, Vt.; Robt. Greenlaw, Boston, Mass.; J. E. Killen, New York. G. H.

Tiffin, O.

On Thursday morning, June 7, Miss Emma Ullrich, daughter of Lewis Ullrich, the widely known florist, became the wife of Otto Ehrenfried, son of the city clerk. The marriage ceremony took place at St. Joseph's church, which had been elaborately decorated under the direction of the bride's father and brothers. The material used included 1500 carnations, 800 roses, 100 strings of smilax, 100 pots of Easter lilies in fine bloom, and a large number of specimen palms, the whole constituting the finest decoration ever employed for a wedding in this city. After the ceremony a wedding feast was served at the Ullrich home, following which Mr. and Mrs. Ehrenfried left for an eastern trip. They will be at home at 307 Jefferson street after July 1.

WESTFIELD, MASS.—Mrs. S. E. Barton has bought the business of Mrs. J. E. Mesick.

MEMPHIS, TENN.—The secretary of state has granted a charter to the Memphis Floral Company, with $10,000 capital stock. The incorporators are C. H. Hune, Albert Haisch, M. L. Click, Miss L. C. Watson and Fred. Armentrout.

CYPRESS

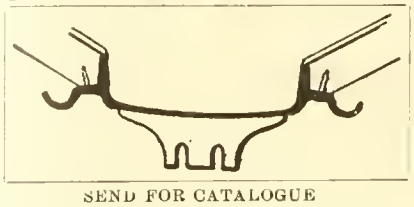
Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

JENNINGS BROS.,



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Greenhouse Designers and Builders

MANUFACTURERS OF AND DEALERS IN

GREENHOUSE SPECIALTIES,

Valley Gutter and Drip Conductor, 54c per foot Without Drip Conductor, 40c per foot.

PATENT IRON BENCH FRAME FITTINGS, IMPROVED CAST IRON GUTTERS AND PLATES.

JENNINGS BROS, - - - Olney, Philadelphia, Pa.

When writing mention the American Florist.

THE NEW Standard Ventilating Machines.

Always reliable.
Self-oiling.
Four Styles.
All warranted first-class.
Send for catalogue and see what first-class florists are using.

THE E. HIPPARD CO.,
YOUNGSTOWN, O.

Please mention the American Florist when writing.

D. O. Cunningham .....Glass Co.,

PITTSBURG, PA.

TANK WINDOW GLASS.

HOT-HOUSE GLASS A SPECIALTY.

Please mention the American Florist when writing.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED)
"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct.
FACTORY AND OFFICE:
150-160 VEDDER ST., - - CHICAGO.
TELEPHONE NORTH 853.

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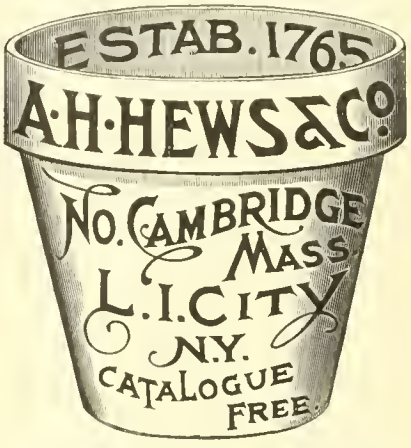

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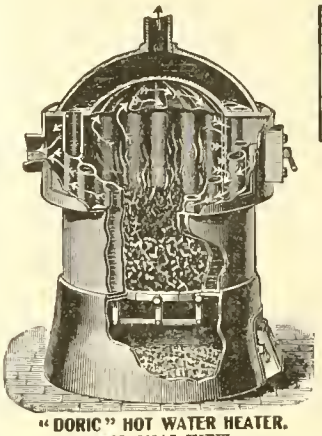

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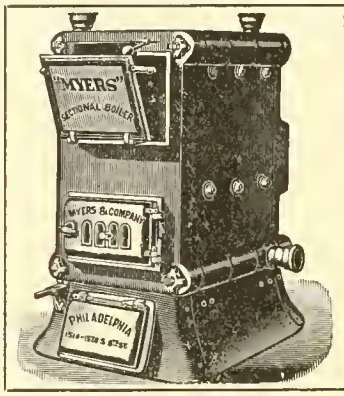

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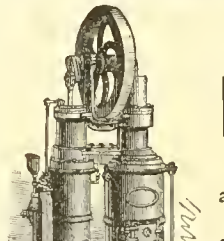

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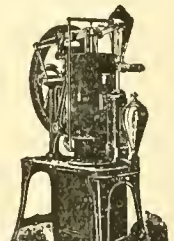

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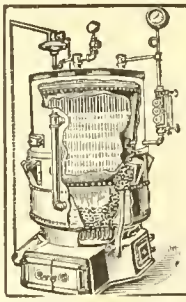

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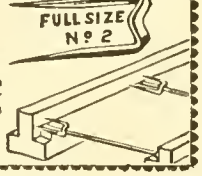

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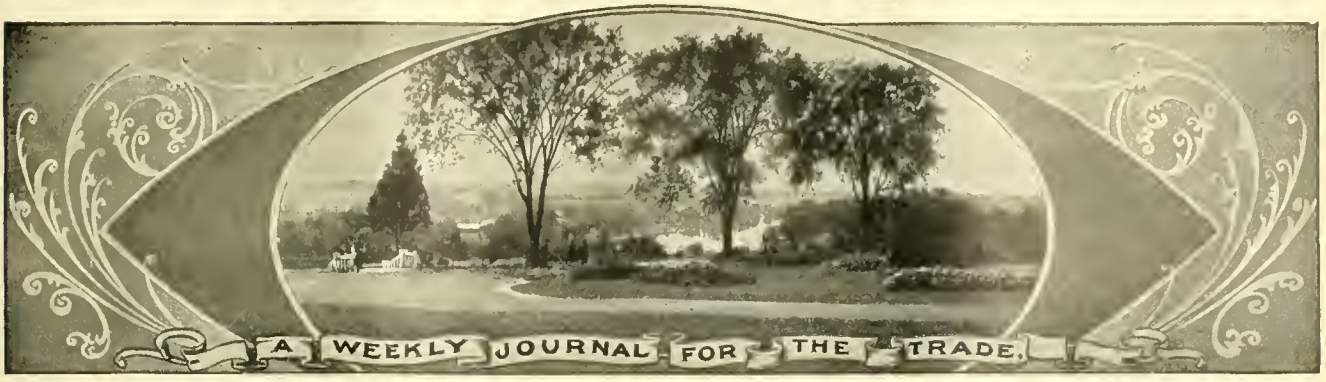

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Vol. XV. **CHICAGO AND NEW YORK, JULY 7, 1900.** **No. 631.**

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Dogday Critics of the S. A. F.

ED. AM. FLORIST:—The preliminary eruptions began a short time ago and from now on to convention time all, little geysers and the big geysers and the hot air fellows, will be spouting continuously as to what is wrong with the S. A. F. and just what particular acts must be done or must not be done in order to demonstrate that the society is of any use in this world.

One thing that strikes the average observer as "funny" is that some of the loudest voices in this annual hullabaloo are those of men who have been for years conspicuous, if for anything at all, only by their absence from the conventions, many, indeed, not being members at all. Strange, isn't it, that the men who regularly attend and who should naturally be the ones best posted as to the good and bad points of the work, should be so seldom the fathers of these proposals for startling departures in the society's methods and objects!

One of the most innocuous suggestions is that the society furnish information as to keeping accounts. This is all right, except that there are no two business concerns that keep books in the same way, the methods being varied according to the knowledge or prejudice of the proprietor, the extent of the business and the local conditions peculiar to each business. The purchase of one of the many cheap books on the subject would put any man in possession of all the elementary facts, which is about all the society could hope to do. What is the use of doing over again, work which has been well done many times?

The proposition to turn the S. A. F. into a collection agency, however, is a pernicious one and the time of its adoption would mark the beginning of the end of the society's days of usefulness. I, like perhaps three-quarters of the rest of the members, am a buyer and only a seller in a very limited local market, where I am thoroughly posted and where the S. A. F. could give me little if any help were I foolish enough to ask it. If a part of my dues are to be used to help the wholesaler to collect his bills from me I want the other part used to make him ship me honest stock, well packed, full count and at the time agreed. Sauce for the goose is, or ought to be, sauce for the gander.

By the way, what is the matter with the Florists' Protective Association? It has been moribund for a long time. Why do not these anxious gentlemen get into that and galvanize it into life again? That would answer all purposes and we who have no bills to collect from the trade would have no grounds to complain of a misapplication of the funds contributed by us.

Your eastern contemporary very ably puts its foot down upon the collection proposition and argues very forcibly against it and then ends by stating that the S. A. F. might and could furnish information to its members relative to the financial standing of other members! There seems to me no possible objection to the collection proposition which is not equally valid against the other. Why separate the tail from the hide?

The convention getter is abroad in the land again. He seems to be a sort of biennial, and this is his year to bloom again. If St. Louis really gets down to business, and decides on an exposition two years from now, and can afford the expense of his valuable services, we may expect to see the gentleman who took the convention to the exposition at Omaha, and who is now trying to do the same for the Pan-American Exposition at Buffalo, engaged in extolling the merits of St. Louis as a convention city.

We all admire the gentleman in question, and we all love his chief assistant; but we must not forget that they are simply earning their salaries, and that the question of the thickness of the oleomargarine on our own particular piece of bread, when thrown in the balance, has a strong influence on our ideas as to what it is best for other people to do.

W. N. R.

Sweet Peas Around St. Louis.

It is repeatedly said that sweet peas do not bloom well in and around St. Louis, but this season we have vines fairly loaded with flowers, which are generally of the large size and quality of those seen in the eastern states. Seeds were planted three inches deep March 14, covered over and the ground rolled. Earliest of All came into full bloom May 20 and most of the other varieties June 1. We planted over fifty samples, and all germinated well except Navy Blue and White Cupid. Of course the white seeded sorts did not come up as well as the dark seeded ones, but enough grew to produce a full row of vines. The notes here given were jotted down while viewing each sort without reference to any catalogue or other description. No attempt is made to describe in full any of them.

There is just one point of excellence

that leads us to give Lady Mary Currie the preference over Oriental and Gorgeous: that is its extreme profusion of bloom. Gorgeous is a shade deeper in color, but it has not produced so many flowers and the vines are very weak in growth. Perhaps this is due to the conditions of the soil in the particular part of the grounds in which this sort is growing, which, however, is only ten or twelve feet from Lady Mary Currie and the whole plot was evenly manured early in spring, two weeks before planting. Oriental differs from Lady Mary Currie chiefly in that it is veined like Penzance.

Benary's new Mont Blanc is a rival of Emily Henderson and may supersede that sort. Out of eighteen seeds seven grew and made good plants, which threw over 100 flowers in eight weeks. The form of the flower is as perfect as Blanche Burpee and is of purest white, but not so large in size and with shorter stems.

One of the prettiest sweet peas in the lot is Lady Grisel Hamilton, preferable to any other light lavender. The flowers are not extra large and are somewhat faded, but the sun has been exceptionally strong.

Sadie Burpee from black seed proves to be a pink variety. One would much prefer Mrs. Sankey, which is of stronger growth, larger in flower and much nearer a white, if it is not so fine in form.

The Duke of Westminster in general color effect, resembles Stanley. It is a smaller flower with longer stems and shows a tendency to fade.

Hon. F. Bouverie is a decided improvement over Venus, although the pinkish blotches are only discernible when the flower is examined closely.

Stella Morse has a very weak constitution and, like Lottie Hutchins and Sensation, is too much of a washed out color to suit all tastes.

Othello is the best "black" variety on trial. It is unfortunate that it produces only two flowers to a stem, as is the case with this planting.

There does not seem to be any decided merit in Lady Skelmersdale, unless it is in the form, which is better than that of Apple Blossom.

Mars is the best red sort in the lot. We did not get a true sample of Salopian, so have not compared it with this variety.

We would drop Colonist from the list and keep Dugdale and should prefer Lady Grisel Hamilton to Lady Nina Balfour.

Countess Cadogan cannot be easily distinguished from Navy Blue when the two are bunched together.

Navy Blue is all that it is claimed to be, but the seed germinated only sixty per cent. It has three flowers on every stem.

Mrs. Dugdale is one of the finest and largest flowered sorts in bloom and is excellent for bunching.

Emily Lynch is too nearly like some other varieties to entitle it to a place in our list.

Coquette reminds one of Creole only that it is lighter in color and larger in size.

As has been proven before, Modesty and Duchess of Sutherland are identical.

Red Riding Hood and Snapdragon are oddities and nothing more. M.

CHRYSANTHEMUMS.

TROUBLES OF A GULF COAST GROWER.

Why is it that the superlative degree has so much attraction for the average mortal? Did you ever see a very fat man who did not boast of being the fattest? You offend a man who has been dangerously ill if you refer to another case as nearly fatal as his; and so it is with all our troubles; we think our afflictions are the greatest. No poor chrysanthemum grower ever had such enemies as we of the far south. Our summers are the longest, hottest, dryest, wettest. We had twelve inches of rain in seven hours June 26, and seventeen miles to the east they had not a drop. Our aphids are the worst, and as for mealy bugs; well, one thinks he never saw mealy bugs till he came here. White ants eat up whole houses full of stock. And here is a caterpillar story.

Last fall a flight of large brown and black butterflies passed over us. For a week thousands could be counted at any time of day, always moving to the north. They found time, however, to stop now and then to deposit a few eggs. My curiosity prompted me to take a steam yacht and trace the stream of butterflies southward to where the river meets the bay and here I noted that the butterflies came across the water from the east. Following the track still further, it changed its course again and came up the east side of the bay from the south. Here I gave up the hunt and concluded they were coming from somewhere and going nowhere. It was certainly a strange sight to see millions of these short-lived creatures moving in a solid army across a body of water twelve miles wide.

What has this to do with chrysanthemums? Well, this spring when our stock began to show new life, thousands of large, fat, woolly, brown caterpillars came out and we escaped being cleanly eaten up as narrowly as we escaped losing all our stock by freezing the season before. There is nothing new about any of these pests and I simply want our friends to know that we have them worse than anybody. The art of chrysanthemum growing down here is mostly the science of bug hunting. Lucky it is for us that the plants grow with little care, as we would never have time to give it to them. Devote one day in the week to battling with each kind of pest and you would have only Sunday to look to the growth of your plants.

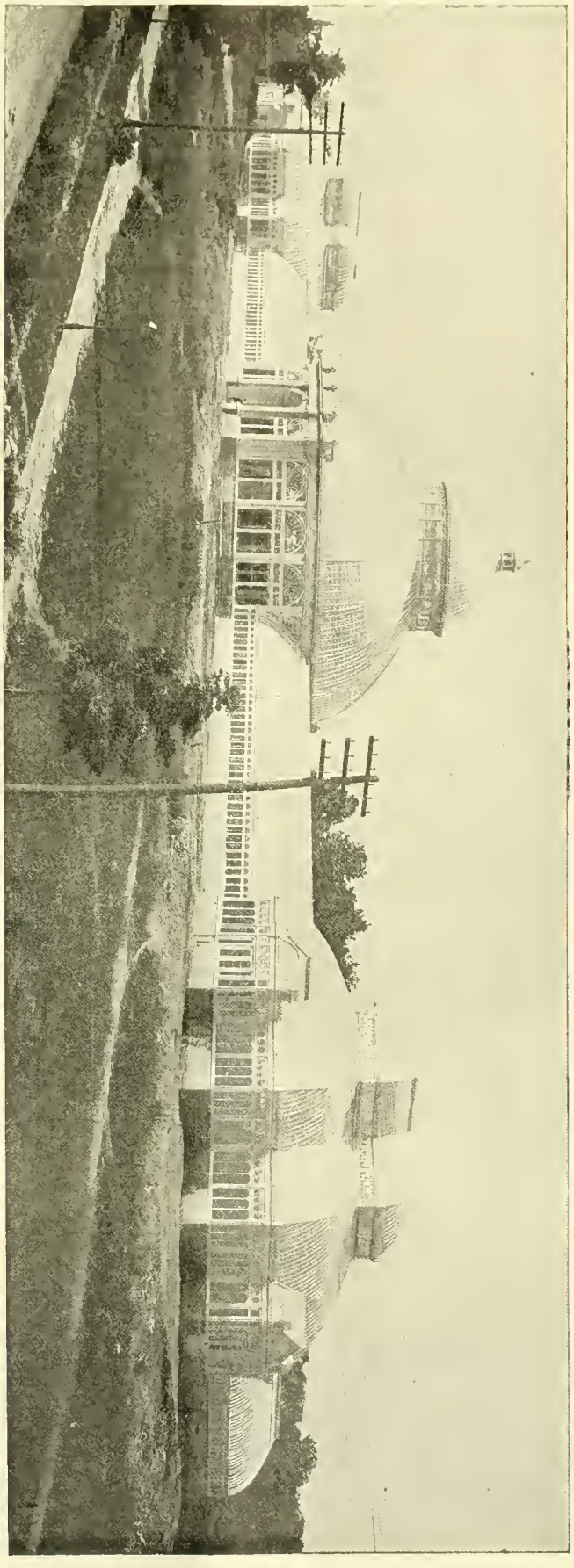
My especial pest is the corithuca. I had the honor (?) of discovering him and he seems to have never forgotten my attention. He is with me always. You never see him till his work is done. The lower leaves of the plants seem to be dead and rusty and on examination you find them literally covered with a mass of living creatures. Under a powerful glass they have the appearance of a closely huddled flock of dirty, unsheared sheep. They fly a little, but only towards the ground. Kerosene seems to kill them instantly and I use it freely on the under side of the leaves of my young plants from the time they are set in the beds. With a weekly application I manage to keep them down but I have never been able to entirely free the plants of them.

After all the struggle seems to be over and our plants are coming nicely into bloom the rose thrips arrive and ruin the flowers. Nothing seems to reach them but a daily bath of tobacco juice and that does not add to the fragrance or appearance of the average chrysanthemum. Cannot some one of our scientific hybridizers give us an insect-proof chrysanthemum? F. P. D.

The Harris Loving Cup.

We present herewi'h reproductions of three photographs showing the various faces of the magnificent silver loving cup presented to Fred. L. Harris at the banquet given in his honor at Boston on June 9. The cup is eight and three-fourths inches in height and has a capacity of six and one-half pints. It is a triumph of the silversmith's art and the illustrations are but feeble reproductions of the engravings on the cup. One side of the cup bears the words, "To Fred. L. Harris, a loving testimonial from his gardener and florist friends, Boston, June 9, 1900." Upon one of the remaining sides is a view of the famous Italian garden at the Hunnewell estate, an enduring monument to the recipient's skill, and upon the other the rhododendron plantation.

LOVING CUP PRESENTED TO F. L. HARRIS AT BOSTON, JUNE 9, 1900



CONSERVATORIEB OF THE BOTANICAL GARDEN, BRONX PARK, NEW YORK, HITCHINGS & CO., BUILDERS.

Bronx Park Conservatories.

Through the courtesy of Messrs. Hitchings & Co., the builders, we are enabled to reproduce in this issue the only photograph thus far taken of the recently completed Botanical Garden Conservatories in Bronx Park, New York. All previous illustrations have been from drawings, and even the photograph, which was 12x30 inches, does not give an adequate idea of these splendid structures, the character of the surroundings prohibiting a front view and necessitated a photograph from a position at one end, which has the effect of materially shortening the perspective. The entire length of the range is 525 feet. The center house is 100 feet in diameter and eighty-seven feet high. The corner houses are eighty-five feet square, excluding the vestibules, and the connecting wings are 30x120 feet. The construction is thorough throughout and the range will prove one of the most potent horticultural attractions of the great city in which it stands.

CARNATIONS.

STIGMONOSE: A DISEASE OF CARNATIONS AND OTHER PINKS.

Above is the title of a bulletin (No. 19) by A. F. Woods, recently issued by the Division of Vegetable Physiology and Pathology, Department of Agriculture, Washington, D. C. Any person in the trade may secure a copy free of charge on application to the department. The subject is fully discussed and helpful illustrations are freely used in the text. The author reaches the following conclusions with regard to the disease:

"The disease of carnations characterized by the symptoms described in this bulletin is widespread, and under certain conditions unfavorable to the plant it is quite injurious.

"So far as can be determined by the most careful microscopical study and bacteriological tests, neither fungi nor bacteria are present in the earlier stages of the disease.

"As the disease progresses various fungi and bacteria may appear, but their presence is not constant.

"Infection experiments with bacteria and fungi, especially with the germ described as Bacterium dianthi, carried out under the most rigid bacteriological conditions, resulted negatively in every case.

"A disease having all the characteristic symptoms of the so-called 'bacteriosis' except the presence of bacteria, is produced by the punctures of aphides, as was repeatedly demonstrated by colonizing these insects on carnations.

"That aphides and not bacteria are responsible for the trouble is shown by the fact that the injuries produced are not accompanied in the earlier stages by fungi or bacteria. The aphides therefore cannot be looked upon as simply carriers of some fungus or bacterium, as they produced the disease on plants growing under perfectly antiseptic conditions as quickly as upon those not protected by antiseptics.

"Injuries similar in many respects to those produced by aphides also result from the attacks of thrips—insects which are often present on carnations growing under glass, although sometimes overlooked by growers. Another form of the disease is produced by red spiders.

"No matter how badly diseased plants may be, if otherwise vigorous they will grow out of the disease entirely and the

young leaves and shoots will remain free from spots if kept completely free from aphides, thrips, and red spiders.

"As the disease is not due to bacteria the name 'bacteriosis' is inappropriate and therefore stigmonose is suggested for the trouble.

"The carnation is readily influenced by the conditions under which it is grown, and as a result its reaction to the injuries of the aphides, thrips and spiders, and its susceptibility to their attacks, not only varies in different varieties, but also in individuals of the same variety. Plants grown under improper conditions, therefore, show more of the characteristic injuries from a given number of punctures than do plants growing where all the conditions are favorable. Certain plants rich in oxidizing enzyms have been shown to react more quickly to the work of puncturing insects and mites than plants poor in these enzyms.

"The size of the spots made by the punctures of aphides increases in proportion to the rapidity of growth of the leaf and the susceptibility of the plant, and also depends to some extent on the genus and the species of insect which makes the puncture. It is believed that the insect injects some irritating substance of an acid or enzymic nature into the wound, that this substance causes the increase of oxidizing enzyms in the cells which it reaches, and that these enzyms interfere with the nutrition of the cell by destroying the chlorophyll and setting up other changes which finally result in death.

"Besides the carnation and different species of dianthus, many other plants react similarly to the puncture of aphides and other sucking insects, and also to mites.

"The grower can successfully combat this disease by the proper selection of cuttings; careful propagation of stock; good soil; the proper amount of moisture, light and air; and by the reduction of aphides, thrips and red spiders to a minimum."

A Provincial Illinois Establishment.

The accompanying illustration speaks of the success of a typical western grower, showing the greenhouse establishment of Swan Peterson, at Gibson City, Ill. Mr. Peterson started in business with a house 30x50 feet and his total capital was $50. In the succeeding years he has been adding to and rebuilding his houses until he now has a range of 35,000 square feet of glass which is complete in every detail. He grows violets and carnations principally, his stock comparing favorably with that of any grower for the Chicago market, where it is handled by J. B. Deamud.

London.

EXHIBITS AT THE JUNE SHOWS OF THE ROYAL HORTICULTURAL SOCIETY.— NEW ROSES OF MERIT.—THE CULTURE OF SWEET PEAS IN POTS.—RESULTS OF VARIOUS METHODS.— ORIGIN OF THE SWEET PEA CONFERENCE IDEA.—STATE OF THE MARKET.—ABOUT GLOIRE DE LORRAINE BEGONIA.

At the Royal Horticultural Society's meeting, June 5, the new rose Pink Roamer was well shown. This is a single sort of much the same habit as Crimson Rambler. Grown on tall sticks, with some of the shoots hanging down loosely, it is very effective. It is almost too much of a crimson to justify the name, but for decorations it cannot be too highly recommended. This came from W. Paul & Sons. Another very pretty single variety, named Anemone, came from G. Paul & Son. It has rather larger cup-shaped flowers, the stamens being very conspicuous, and the petals of a soft pink shading off to white. Both of the above received awards of merit. The last named firm also showed a hybrid bourbon, named J. B. M. Camm, the flowers somewhat resembling La France, but with a deep rose margin to the petals, and standing up well on stiff stems. Rhododendrons Duke of York and Duchess of York, both pinks, the former of a deeper shade and the latter with a white base to the petals, may be regarded as meritorious varieties. Cut blooms of Mme. Abel Chatenay lilac were exhibited by Wm. Marshall and received an award of merit. The flowers are pure white and very double.

The society's meeting June 19 was the occasion of one of the finest displays of the season and many choice novelties were shown. James Veitch & Sons exhibited a new rose named Electra, with semi-double flowers of a pale lemon yellow and a deeper shade in the center, the growth being similar to that of Crimson Rambler. If it forces well, this will prove a valuable addition. Sweet peas were exhibited by H. J. Jones, who staged upwards of forty varieties grown in pots. The plants, which were the first shown here in pots, ranged from about eighteen inches to five feet in height and were well in flower. Snowdrift, white, and Wide-awake, scarlet, were among the new varieties of promise. Messrs. Wallace obtained an award for Eastern Queen, a fine crimson single pæony.

With a little care sweet peas may be grown and flowered in pots and make useful material for decorations. The plants recently exhibited were from seed sown about the last week in February; some were potted on into 8-inch pots without disturbing the roots, but others were divided and potted three plants in a pot. Those grown on without stopping opened their first flowers early in June, and those that were stopped once were only a few days later. Some which were grown from cuttings were not in flower June 21, and a batch which had been stopped several times will be still later, but these will be very dwarf and bushy. I think this will prove the best method of growing them. I may mention that those sown in pots and planted out early in May have done well and were only about a week later coming into bloom, and those sown in the ground in December are following closely on them. One of the most interesting items in connection with the approaching sweet pea conference will be a visit to Hurst & Son's extensive trial grounds, where the committee will have a good opportunity of judging relative merits by comparison. It was at these trial grounds that the idea of the conference first originated, R. Dean proposing it, and he found a ready seconder in Mr. Cuthbertson. The idea was brought into practical shape during the Edinburgh show last autumn.

The bedding season being about over more attention is given other pot plants, but the London season will soon be over and even now trade is falling off. To clear out potted stock it has to be sold at very low prices. Since palms and ferns have been so extensively grown really good flowering plants have not been so plentiful. The advance in the price of spiræas last autumn seems to have made a considerable difference in the quantity put on the market and good stock has sold well. Several more growers have been sending in good Rambler roses this season and the prices have gone down considerably. Cut flowers are plentiful but not so exceedingly so as earlier in the season when much imported material was on the market. The English growers gain some advantage when trade is not brisk enough to support these large importations, and the regular florists' business certainly loses nothing, as there

ESTABLISHMENT OF SWAN PETERSON, AT GIBSON CITY, ILL.

is not so much cheap material offered in the streets.

In a chat with Mr. Truflaut, from Versailles, who is on a visit to London, I gather that nothing new or striking in plants is to be found on the continent except in orchids; of these hybrids of lælias and cattleyas are plentiful. Mr. Truffaut grows Begonia Gloire de Lorraine extensively, having erected houses expressly for the culture of this plant. It is a curious fact that, though raised in France, this begonia was condemned as useless until taken back from England by Mr. Truffaut. H.

New York.

MARKET ASSUMES A MORE NEARLY NORMAL TONE.—RECEIPTS SHORTEN UP.—CONVENTION WORK PROGRESSING.—A SPORTING SUGGESTION.—DOINGS OF YACHTSMEN AND OTHERS.

There has been a decided shortening up in the receipts of roses and so far as quality and supply go they may be designated as scarce, but, as the demand has fallen off in equal or greater degree, conditions are in no way benefited. American Beauty is the best seller still but the stock offered is very poor as a rule. Carnations have improved in value slightly by reason of the inferior quality of the roses, but they, too, are on the downward path as to quality. Lily of the valley is reduced in quantity and slightly advanced in price. Cattleyas are in abundant supply and sweet peas, lilies, smilax and ferns wholly unmanageable. There are a few fine auratums coming in, also a fair supply of gladioli.

All local interest now centers in the approaching S. A. F. convention. Committees are all putting on an extra spurt and the meeting of the Florists' Club on next Monday night is expected to be a big one. The souvenir programme, a copy of which is to be presented to each S. A. F. visitor, will be a superb work. It is about ready to go to press and those intending to have their business represented in its pages should make immediate application if they have not already done so. The arrangements for the great excursion to Glen Island on the third day of the convention are practically complete. An enormous attendance is assured.

Mr. "Johnnie" Weir makes a suggestion that the sporting committee should not overlook, when making arrangements for convention sports, the crap shooters, who are numerous and active about the various wholesale flower districts. If a suitable trophy should be offered and proper recognition given this pastime he guarantees a large number of entries for the event.

Alex. McConnell, who is an active member and officer of the New Rochelle Yacht Club, is taking his vacation on board his yacht, which he handles with the skill of a professional. Many pleasant anecdotes are being told of the cruises he is making.

R. L. Cottonet sailed for Europe on the St. Louis July 5. On the same day Thos. Young, Jr., sailed on the Kaiser Frederick. Louis Dupuy is on the water in the Touraine. J. Fleischman and family and Mrs. Warendorf will sail on the Pennsylvania July 14.

"Pop" Bogan, the veteran florist of Third avenue and Twentieth street, is working like a youngster on the convention hall decorations committee.

The greenhouses of John Bindhamer, at Whitestone, have been sold to W. Schell.

The new store at Forty-fifth street and Fifth avenue, the old Hodgson site, has been taken by Chas. Thorley for a branch establishment.

Ghormley & Perkins have dissolved partnership, the former retiring. J. J. Perkins will continue the business as heretofore.

Mrs. H. Berger and daughter have gone to the White Mountains, Miss Berger having been ordered there by her physician.

Augustus Schmutz and bride, of North Adams, Mass., are here on their honeymoon, visiting the groom's father at Flatbush.

The annual fishing excursion of the Bogart employees will occur on July 11 and indications point to a very successful event.

Chas. Dards and Herman Kuhn sail this week for Europe.

Boston.

SPLENDID DELPHINIUMS AT HORTICULTURAL HALL.—EXCELLENT DISPLAYS IN OTHER LINES.—NOTES OF THE AWARDS.—STATE OF THE MARKET.—HEMLOCKS ARE SAFE.—THE ORDER OF ABILITY.—PERSONAL ITEMS OF VARYING IMPORT.

The horticultural exhibition on Saturday, June 30, was grand as regards delphiniums and roses. The number and quality of delphiniums displayed has never been equalled here and the fact that M. H. Walsh, of Wood's Holl, filled almost an entire table with hybrid perpetual roses is sufficient to indicate the high quality displayed in this department. Mrs. J. L. Gardner, Rea Bros. and Miss M. S. Walker were the prize winners on delphiniums and W. J. Clemsen was also represented by a good lot. The display of Japanese irises was meager as compared with former occasions; Mrs. J. L. Gardner and Dr. C. G. Weld were the exhibitors. Campanulas were decidedly poor. There were no English irises nor candidum lilies, although both were provided for in the schedule. James Comley staged a good lot of longiflorum lilies. The hardy perennial collections from Blue Hill Nursery, Rea Bros. and W. J. Clemsen were very fine and comprized most of the best border perenpials now blooming. Sweet williams of the auricula-flowered type were shown in quantity by Mrs. J. L. Gardner, W. J. Clemsen, E. C. Lewis, Rea Bros. and Mrs. H. A. Wilkie. Those from Mrs. Gardner were especially fine in form, size and marking. C. W. Parker showed an interesting collection of wild roses and a large display of hardy perpetuals came from Mrs. B. P. Cheney. W. H. Monroe exhibited a handsome seedling strawberry that appealed to the taste of all who got a chance at it.

The friends of the Arnold Arboretum now breathe easier, for it is announced that at the meeting of the Metropolitan Sewerage Commission, on June 29, it was voted to change the route of the high level sewer so as to avoid the construction of a tunnel under the famed Hemlock Hill. This wise and patriotic action was the result, in a great measure, of the public protest actively led by Prof. C. S. Sargent. Hemlock Hill is the wildest and most picturesque piece of woodland in the Arnold Arboretum, the trees covering it being a part of the primeval forest and the finest specimens of their kind in the eastern United States.

Business has assumed a normal midsummer character in all respects save one, the watering-place demand for choice flowers that Boston has enjoyed for many seasons. Whether the present scarcity of orders from these accustomed sources is due to the backward season, and only temporary, or is to be taken as indicating the prospects for the coming weeks, is not yet apparent. Since the summer qualities of Kaiserin, Testout and other nice things became widely known, however, the princely florists of the watering places have been waxing more and more independent of the Boston wholesaler, and instead of keeping the wires to Boston at a white heat when they get into a tight place they just send a minion around the corner to the farm, with a basket. And when the basket comes back too full they pack the surplus into a box and forward it to their old friend, the Boston wholesaler, with a mandate that he sell it for their account. Thus the buyer becomes a producer and his views as to values undergo a wonderful transformation.

The Horticultural Club having adjourned until after the New York convention, and there being, therefore, no regular meetings of the craft where burning questions may be discussed, those of an argumentative disposition must make the best of such little informal gatherings as they can attract about them from time to time. At one of these spontaneous affairs recently it was decided with great deliberation that the ability to grow good flowers is an accomplishment of high degree but that to know what to grow is a still higher attribute. Higher in the scale, yet, is the faculty of selling the same, but beyond and above all is the art of collecting the money afterwards. This proposition was fully proven by Lawrence Cotter with unanswerable logic, backed by quotations, poetical, historical and philosophical and clinched with the assertion that a law library is now a necessary item in the equipment of the wholesale flower seller.

Part II. of the published transactions the Massachusetts Horticultural Society for 1899, just received, contains a number of half tone illustrations of rare orchids that have been exhibited during the year, among them being Young's variety of Cattleya × Hardyana, Lælia × Nigrescens, also Dipladenia Boliviensis and several views of wild plants cultivated in school gardens.

Auction sales at McCarthy's emporium have closed for the season. They have been attended with unprecedented success, prices for good material in all lines having been exceedingly good, an indication of prosperity that cannot be questioned.

P. Welch and family have withdrawn from the discomforts of the city for a few weeks' recreation at Old Orchard, where a cozy beach cottage, just completed, will shelter them between clambakes, and all appliances for extending hospitality to the craft have been provided.

Among the week's visitors are R. M. Schultz and bride of Madison, N. J. We know "Bob" is popular in New York and join with his friends there in extending all good wishes. Prof. J. F. Cowell, of Buffalo, is also in town.

Among the passengers on the Cunarder Ivernia, from Boston on June 30, were G. Stollery, Chicago; I. Hartshorne, Joliet, Ill.; Ed. Winckler, Nashua, N. H., and E. Sutermeister, Readville, Mass.

Jackson Dawson's silver medal rose is named Lady Dunbar, not Lady Dunham, as previously reported.

J. A. Pettigrew has just returned from a short visit to Cleveland, O.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THIS season's sales of clematises have been unprecedented.

FLOWERS, fruits and fireworks were handled by one Chicago firm the past week.

IT appears that main travelled roads will be those leading to New York in August.

USES for raffia are multiplying and the sale of this commodity promises steady increase.

CANNA plants are backward to date, but the present warm weather should bring them on with a rush.

A. M. MURDOCH, of Pittsburg, Pa., correcting the statement in our last issue, informs us that his store did not suffer from either fire or water.

IT is all very well to say that June is the month of roses, but in reality the pæonia is the flower which is relied upon to meet the June demands in many a wholesale market.

THAT well known rose, Kaiserin Augusta Victoria, according to *Rosen Zeitung*, has produced a beautiful red sport with Mr. Lehrer, a gardener of Waltershausen, Germany.

THE grower of a specialty who does his work well can frequently convince buyers that he has something highly desirable by maintaining the price at a point sufficiently elevated to attract attention.

TWO of the popular eastern plant specialties for Christmas and Easter, Begonia Gloire de Lorraine and Crimson Rambler rose, which are little known in the west, will be very generally tried next winter.

AT the office of the Western Passenger Association, in Chicago, we learned this week that the various railroad associations east and west of that city have recently decided to allow a special rate for the S. A. F. convention in New York next month. No doubt the secretary of the society will shortly announce the rate.

In connection with the sweet pea conference which will be held in London this month, it should be stated that Joseph Breck & Sons, of Boston, were the first in this country to introduce the Eckford varieties, in 1885, George C. Watson, now of Philadelphia, being in charge of their flower seed department at that time.

The S. A. F. Meeting Place for 1901.

The silver-tongued Scott and the persuasive Taylor, backed by all the weight of the Pan-American Exposition, having organized a crusade to secure the convention for Buffalo next year, it seems necessary that a few words be said on behalf of Chicago, lest the matter be settled in favor of the fellows with the big guns and the smokeless powder before we have had our day in court.

We wish to assure those interested that Chicago is still in the race and will be in at the finish, and to ask the mutual friends of the two contestants to make their decision *at the convention* after both sides have had a hearing.

W. N. RUDD.

Greenhouse Building.

Lake City, Ia.—A. M. Easte, two houses 20x50.

Pecatonica, Ill.—Rufus Winchester, one house.

Des Moines, Ia.—Rockwell & Kurtzweil, house 40x80.

Philadelphia, Pa.—Oscar Young, house 30x60.

Sandwich, Mass.—E. L. Dorr, conservatory.

Bloomington, Ill.—A. Washburn & Son, carnation house 35x140; plant house 12x180

St. Louis, Mo.—Wm. Bruecker, house 25x125.

Coe Ridge, O.—Asher M. Coe, range of houses.

Rockland, Me.—J. W. Billings, two houses.

New Haven, Conn.—Edw. Malley, conservatory.

Swansea, Mass.—R. W. Buffington, one house.

Oneco, Fla.—Reasoner, Bros., house 25x100.

Fort Wayne, Ind.—Miss C. B. Flick, six houses 18x120. Markey Bros., three houses 16x65. W. J. & M. S. Vesey, three carnation houses 20x200.

Chicago.

MARKET DULL AND STOCK POOR—HOT WEATHER PUTS A QUIETUS ON TRADE—SEASON OF VACATION IN TOWN.—GROWERS HARD HIT BY THE HEAT.—CONVENTION TALK.—ROSE GROWERS HAVE THEIR TROUBLES—VARIOUS NOTES OF PERSONAL DOINGS HERE AND THERE.

It is unnecessary to make further comment upon the state of the market after recording that the thermometer has been up in the nineties this week. There isn't anything doing and there's nothing in sight. Of course there is more or less funeral work, for its so hot that people are prostrated in the streets, but the retailers and the out of town buyers are only investing when they have taken an order. Of course stock is pretty poor and there is no great quantity of anything coming in except carnations and garden flowers and these the street boys take care of but at very low prices. There are considerable supplies of water lilies and they are to be seen in nearly every store window. There is hardly anything which makes a better display, or cheaper, than a miniature pond with lilies surrounded by nice green banks of ferns; it looks cool and inviting and creates the impression that there's summer life inside the store, though, as a matter of fact, the only person in the place is one sleepy clerk. This is the season of baseball games, horse races, fishing and sunburn and the only ones who are not indulging in this field of endeavor are the greenhouse men, who are sweltering away under the hot glass, repairing, filling benches, planting and preparing to meet the demands of the winter. It's mighty hot in the greenhouses these days, but as one philosophical grower remarks, that has its compensations, for the underpaid apprentice no longer has to give up hard earned money for turkish baths; he has them as he works.

Convention talk, since the hot weather, is quite lively. According to all reports Chicago will be represented by the largest delegation which has ever gone from this city to a convention. Among the many names mentioned, and the air is full of rumors, are those of Messrs O. P. Bassett, Peter Reinberg, W. E. Lynch, E. F. Winterson, Flint Kennicott, J. B. Deamud, Hauswirth, Kreitling, and the whole family; Vaughan, Degnan, Wilson, Sanders, Rudd and Darby. A much larger proportion than usual will be accompanied by their wives and many will linger in the east for some weeks.

Some of the rose growers out Bowmanville way are fighting the worms again. Last year, for about the first time, they were visited by a little, black-headed green worm with a fondness for Bride roses and an appetite which was not in the least affected by the warm weather. The intruder was of unknown species, was credited to the butterflies and this year he's worse than ever. The only remedy which is effective is hand picking and that is a thoroughly unsatisfactory process. Last season the worm maintained his foothold nearly all summer.

Mr. Jacobsen, formerly of Hills & Jacobsen, Maywood, Ill., who has just returned from the east, where he has been variously employed, has gone to Colorado Springs, Col., to locate. He was formerly with the Park Floral Co., Denver.

William Desmond, a florist, sixty years old and living alone on Cottage Grove avenue near Saunders' fell as he was alighting from a cable car June 30 and did not regain consciousness. The physician said it was heart disease.

P. J. Saunders, who has done business for years on Cottage Grove avenue at Fiftieth street, has opened a flower store on Fifty-first street, opposite Washington Park, in one of the stores built beside the Edelweiss garden.

Anton Then and H. N. Bruns have had the pleasure of sitting together on jury for two weeks and during the same time John Junius was serving the county in a similar manner but in another court.

Nic. Wietor is planning a vacation trip and his friends tell him that he's only waiting for his sore thumbs to get well enough so that he can handle a fish pole with a reasonable degree of comfort.

T. J. Corbrey's health is such that he has determined to close out all his interests here and make for Southern California, where he intends locating permanently this time.

Peter Reinberg has given up his trip to Paris and the exposition; he's too busy building and planting greenhouses to spare time for more than the S. A. F. trip to New York.

D. R. Woods, superintendent of East Lake Park, Los Angeles, Cal., passed through the city July 3 enroute home from an eastern tour of inspection.

J. Fuhrmann sailed on the steamship Potsdam for a two months' trip through Holland, Belgium and Germany. He will also take in the Paris Exposition.

The regular quarterly meeting of the

Horticultural Society of Chicago will be held at the Sherman House next Tuesday afternoon, July 10, at 2 o'clock.

A. L. Vaughan and his family are expecting to go across the lake next week to occupy a cottage on the St. Joe river for the summer.

The geraniums and other bedding plants at Washington Park are now as fine as were the tulips which occupied the ground in May.

If its as hot at West Baden as it is in Chicago, E. E. Pieser will be in the baths most of the time during his outing there.

Poehlmann Brothers have completed their new houses and have them planted to Beauties.

"Scottie," the irrepressible, at Kennicott's, goes fishing to-night, for two weeks.

Visitors: S. S. Skidelsky, Philadelphia; J. J. Soper, Mrs. Soper and their daughter, Rockford, Ill.

Hardiness of Deutzias.

ED. AM. FLORIST:—Your interesting article on Lemoine's new hybrid deutzias, reminds me of the fact that the severity of our winters here prevents the successful growing of the ordinary forms of this genus. D. crenata, D. scabra and their varieties, including the Pride of Rochester, winter-kill. Even when well protected none survived the winter of 1898-9. I am pleased, however, to note that D. parviflora and D. hybrida Lemoinei both stood the severity of that winter unprotected and bloomed, even to the tips, the following summer. Both plants were in a trying position, being so much in the shade that the wood could not ripen as well as if fully exposed to the sun. D. Lemoinei compacta and D. Boule de Neige have not been tried by me.

W. C. EGAN.

LOWELL, MASS.—Paul R. Burtt has bought the entire stock, establishment and good will of the firm of Sheppard & Son and will do a wholesale and retail business. Mr. Sheppard, now aged and infirm, will reside with Mr. Burtt.

OBITUARY.

MRS. T. W. GOODWIN.

Mrs. T. W. Goodwin died on June 26 at her home at Newburyport, Mass. Mrs. Goodwin was a good business manager, a clever decorator and highly esteemed by neighbors and the trade. She conducted a successful florist business in Newburyport for thirty years.

S. J. JOHNSON.

Samuel J. Johnson died June 20 at Philadelphia. He was known as a manufacturer of seed separators and was in his sixty-fifth year. Mr. Johnson was a native of Tennessee, the son of a captain of the war of 1812, and himself a member of the Fourteenth Tennessee under Stonewall Jackson. His demise was the result of paresis following the grippe and pneumonia.

WM. HALL.

The demise is chronicled of William Hall, one of the best known landscape gardeners and florists of the south. Mr. Hall was born in Scotland sixty-two years ago. He was apprenticed at landscape gardening and when he came to America in 1871 he was thoroughly conversant with his profession as practiced in his native land. His first employment was at Elmira, N. Y., but he soon removed to Knoxville, Tenn., where he has resided ever since. It is largely due to his efforts that the Col. Perez Dickinson estate is one of the finest in the south, for he was in charge for ten years. In 1892 he became superintendent of New Gray Cemetery and at the same time embarked in the florist business, building up a considerable establishment. He leaves a widow and four children. Mrs. Hall will continue the business under the management of her daughter, Mrs. W. R. Ryno.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a florist in private place; competent W, care American Florist.

SITUATION WANTED—By florist, age 23, on private or commercial place general greenhouse work. FLORIST, 90 Sixth Ave., New York City.

SITUATION WANTED—By florist, single; 9 years' experience in cut flowers and plants; capable of taking charge. References I H A, No 40 Akers Ave, Johnstown, Pa.

SITUATION WANTED—By a competent grower in any line; married, no children; want permanent place rather than high wages. Good references. Address CURT KOEHLER, Dubuque, Ia.

SITUATION WANTED—By a reliable florist as foreman or to take full charge. Life-time experience. English, married, first-class references. Address C R, care American Florist, Chicago.

SITUATION WANTED—By gardener; middle aged; life time experience in growing flowers, fruits and vegetables. Best of references. Private place preferred. F F, 3481 Kimbark Ave., Hyde Park, Chicago.

SITUATION WANTED—By first class cut flower grower, or all-around man, as working foreman; 15 years' experience; single Only those wanting an up-to-date man need answer. Address WEST, care American Florist.

SITUATION WANTED—By florist and gardener; good all-around grower; experienced in landscape work, design work and retail trade; single, temperate; good references Address FLORIST, P. O. Box 153, North Chelmsford, Mass.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—Boy to learn the greenhouse business of the growing of cut flowers. Apply to JOHN L WYLAND, De Haven Pa.

WANTED—A good florist, single; competent of handling palms and ferns Address H. F. HALLE, 548 W. Madison St, Chicago.

WANTED—Man to take charge of section of rose houses under foreman; must be experienced. Call or address GEO. REINBERG, 376 Belmoral Ave., Chicago.

WANTED—A competent man to act as manager of 65100 feet of glass in cut flowers Present foreman resigns on account of ill health Address E. HIPPARD, Youngstown, O.

WANTED—Two thorough nurserymen, in a commercial place; accustomed to budding roses and making cuttings of hard wooded shrubbery. Address M, care American Florist, Chicago.

WANTED—For a southern seed house, a practical seedsman who thoroughly understands the packet seed trade and well up on the bulk business. Address, stating salary wanted and give references to SOUTH, care American Florist, Chicago.

FOR SALE—500 ft. 1-inch black pipe, 4c per ft. 500 ft. 1¼-inch black pipe, 6c per ft. J. W. DAVIS, Morrison, Ill.

FOR SALE—Some extra good second-hand 3-inch pipe, at 6c per foot; also some 4-inch. Secure it while it lasts. W. H. SALTER, Rochester, N Y.

FOR SALE—Greenhouse containing 600 feet of glass with house and barn in connection. Everything in good condition and well stocked. One-fourth cash, balance time. FRED PLAGGE, Elgin, Ill.

FOR SALE—Greenhouse business; best in this busy city; plant of three houses well stocked with field carnations, fine; also 'mums, decorative and bedding plants. Very cheap. Investigate. Health demands a change. Address J. H. CONKLIN, 106 Youngs Ave, Joliet, Ill.

FOR SALE—In A1 condition, fully stocked. 5000 feet of glass on four lots in best part of city. Well established and doing good business. Cheap fuel and no competition for sixty miles. Owner has other business and can not give personal attention. Don't answer unless you mean business Address ILLINOIS, care American Florist.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE.

Largest and most thoroughly equipped greenhouse plant in North Dakota. Heated by hot water, latest improved boiler less than a year old, one acre of land, large and well established shipping trade; situated in the center of the Red River Valley, two houses, 30x70 feet, potting and storage shed 100 feet long, 100,000 pots. Price $1500; $1000 cash, balance on time. For particulars address

E. S KNEELAND, Hillsboro, N Dak.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE

With 10 Year Lease,
One of the best places in Chicago.

Modern store with fine, large show house fronting 50 feet on West Madison street, opposite Albany avenue. This is an ideal location, being in the center of the best population on the West Side. Everything is new and perfect, having been built by me, and for my own use, less than eight months ago. I also have one of the finest delivery rigs in the city. I will also lease, very cheap for 10 years, one acre of land in Oak Park and near Madison street; it is fine for growing and is now planted with outdoor stock. My health compels me to sacrifice my business and go west and if you want a fine place and a money maker, see mine; it must be seen to be appreciated.

T. J. CORBREY,
1409-1411 W. Madison St., CHICAGO.

FOR SALE

On western coast of Michigan, two lots, two greenhouses, all modern appliances, in excellent condition. Good business location. Good opportunity for energetic man. Price $2,200.00. Write for particulars.

For sale or rent, near Erie, Pa., lot 100x150, large two story dwelling and four greenhouses almost new. Good glass and well heated. Excellent business location. Price $2,000 00, easy payments. Write for particulars.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE

Making a Change in our Method of Heating, We Offer the following Boilers For Sale:

One No. 8 Furman brick set hot water Boiler. Been in use four months, as good as new. Price $225.

One No. 6 Furman brick set hot water Boiler. In use five months, as good as new. Price $140.

One No. 8 Furman brick set hot water Boiler. In use three seasons. In first-class condition. Price $200.

One No. 7 Furman brick set hot water Boiler. In use five seasons. In good order every way. Price $150.

One No. 7. Furman brick set Boiler, steam or hot water. In use 6 seasons. In good order. Price $100.

All of these Boilers are in the best condition. Shaking grates in all. Have just been taken out to make room for two large boilers. Will deliver F. O. B. Richmond.

ADDRESS

W. A. HAMMOND,
107 East Broad St.,
Richmond, Va.

Port Chester, N. Y.

Vice-president Wm. Anderson presided at the June meeting of the Westchester County Gardeners' Association at which Charles Adcock exhibited specimens of Henderson's New York lettuce which for size rivaled anything ever seen here. The annual excursion was arranged to take place Wednesday, July 18, the invitation of Thos. Meehan & Sons to visit their nurseries and then Fairmount Park, Philadelphia, having been accepted. Train leaves Port Chester at 5:55 a. m; West 23rd street, New York, 7:25 a. m., via Pennsylvania R. R. for Philadelphia. A general invitation to all gardeners in this section is extended, to accompany the Westchester county gardeners on this outing. Full information may be had by addressing the secretary.

JOHN W. DUNCAN.

BLOOMINGTON, ILL.—A. Washburn & Son are pushing things along. This season's addition to their glass consists of a carnation house 35x140 and a house 12x180 for miscellaneous stock They are also extending their store 22x33 feet.

Wholesale Flower Markets

CINCINNATI, July 5.

Roses, Bride	2.00@ 4.00
" Bridesmaid	2 00@ 4 00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1 00
" fancy	1.50@ 2 00
Gladiolus	4.00
Callas	6.00@ 8 00
Stocks	2 00
Sweet peas	.25
Tuberoses	3 00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Harrisii	8.00@10.00
Asparagus	50.00

ST. LOUIS July 5

Roses Bride, Bridesmaid, Kaiserin	3.00@ 5.00
" Meteor	3 00@ 5 00
" Perle	2 00@ 3 00
Carnations, common	75@ 1.00
" fancy	1 50@ 2.00
Sweet peas	15@ .25
Ismene Lilies	4.00@ 5.00
Smilax	12.50@15.00
Adiantum	.60@ 1 00
Asparagus	25.00@40 00
Hollyhocks	1.00

MILWAUKEE July 5.

Roses, Beauty, long, per doz.	3 00
" " medium " "	1 50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	4 00@ 6.00
" Meteor	4.00@ 6.00
" Kaiserin	6.00@ 8 00
Carnations, ordinary	1 00@ 1.50
" fancy	2.00@ 3 00
Lily of the valley	4 00
Auratums lilies	15.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Sweet Peas	.35@ 50

PITTSBURG, July 5.

Roses, Beauty, fancy	30.00@25 00
" " extra	12.00@15 00
" " No. 1	8 00@10 00
" " culls	3 00@ 5 00
" Bride, Bridesmaid	2.00@ 8 00
" Meteor	2.00@ 8 00
" Perle	2.00@ 6.00
Cusin	2 00@ 4 00
Carnations, ordinary	50@ 1 00
" fancy	1 50@ 2.00
Lily of the valley	2 00@ 4 00
Harrisii	8 00@10.00
Sweet peas	.35@ .75
Daisies	.25@ 1.00
Smilax	12 50@15 00
Gladiolus	2.00@ 6.00
Adiantum	75@ 1.00
Asparagus	35 00@ 50.00
" Sprengerii	.25@ .35
Dagger Ferns	100, $2 00
Asters	1 00@ 2 00

DENVER July 4

Roses, Beauty, select	20.00@ 30.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	4 00@ 5 00
Carnations, ordinary	1 00@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	4 00
Callas	12 50
Harrisii	12 50
Sweet peas	25@ .50
Asparagus	60.00
Smilax	18.00
Ferns	.30

Orchid Flowers.

W. A. McFADDEN,
"ROSEBANK,"
CINCINNATI.

Shipments made direct from greenhouses, insuring fresh and perfect blooms.

N. B. It is particularly requested that the stock here offered be not confused with similar stock offered by commission dealers at lower prices, which has been shipped from New York. Rosebank Orchids are never sold through commission dealers.

CATTLEYAS
(IN VARIETY)
$6.00 per Dozen.

Everything in the **CUT FLOWER** line.

WIRE WORK, the kind that will give satisfaction.

and a complete line of **FLORISTS' SUPPLIES.**

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

CUT FLOWERS.
Shipping orders receive prompt and careful attention.
C. C. POLLWORTH CO., Milwaukee, Wis.

NEW CROP
CROWL FERN Co
Northern Ferns
NOW READY, 50 cts. per 1000. LAUREL FESTOONING, 4c to 6c per yard. Best goods always.
CROWL FERN CO., Millington, Mass.
Please mention the American Florist when writing

FLORISTS
IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.
AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

J. B. DEAMUD,
Wholesale Commission Florist,
51 Wabash Ave., CHICAGO.
Please mention the American Florist when writing.

PETER REINBERG,
Grower and Wholesaler of Cut Flowers.
500,000 FEET OF GLASS.
Headquarters for American Beauty. Carnations, Blooms and Cuttings.
51 Wabash Ave., - CHICAGO, ILL.

BOSTON FERN ...A... SPECIALTY.
L. H. FOSTER, 45 King St., Dorchester, Mass.

Your Advertisement
will transact business 365 days in the year, working 24 hours per day, with all the best purchasers in the United States and Canada, if placed in
The Best Drummer. **The American Florist.**

Roses ALL FLOWERS IN SEASON **Carnations**

When you want them.
As you like them.

E. C. AMLING,

Wholesale Cut Flowers,

32-34-36 Randolph St. CHICAGO.

McKellar & Winterson's
Modern Supply House.

We have a fine assortment of
BASKETS suitable for **SCHOOL CLOSINGS**
and offer same at greatly reduced prices.

Special attention given to assortments, $5.00, $10.00 and up. Parties leaving selection to us will be sure of getting nothing but strictly good standard styles, as we have no other.

Give us your order now together with your needs in CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

Carnation Blooms
In Unlimited Quantities
SHIPPED TO ALL POINTS.
Chicago Carnation Co., JOLIET, ILL.

WEILAND -AND- RISCH
We are large Growers and Shippers of CUT FLOWERS
ALL THE NEW VARIETIES.
YOUR BUSINESS SOLICITED.
59 WABASH AVE., CHICAGO.
WHOLESALE FLORISTS

GEO. REINBERG,
Wholesale Grower of Cut Flowers.
BEAUTIES, ROSES, CARNATIONS.
All stock at lowest market rates. Send in your orders.
61 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, July 6.

Roses,	Beauty,	extra long stems	3.00
"	"	30 inch "	2.50
"	"	24 " "	2.00
"	"	20 " "	1.50
"	"	15 " "	1.25
"	"	12 " "	1.00
"	"	8 " "	.75
"	Bride, Bridesmaid,		3.00@ 5.00
"	Perle,		3.00@ 5.00
"	Meteor,		3.00@ 5.00
"	La France,		4.00@ 5.00
"	Golden Gate,		6.00@ 8.00
"	Liberty,		6.00@ 8.00
Carnations,			.75@ 1.00
"	fancy,		1.50
Lily of the valley,			3.00@ 5.00
Mignonette,			2.00@ 6.00
Harrisii,			10.00@15.00
Callas,			8.00@10.00
Sweet peas,			.10
Adiantum,			.50@ 1.00
Common ferns,			.15
Fancy ferns,			.20
Smilax,			12.50@15.00
Asparagus,			50.00@60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO
S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt
THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS
Hunt's Flowers Go Everywhere
76 Wabash Ave., CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL
Wholesale Florist
Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,
37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.
F. F. BENTHEY, Manager,
Wholesale Commission Florist
41 Randolph Street, CHICAGO.
Consignments solicited.....

A. G. PRINCE & CO.
Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.
76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Wholesale Cut Flowers
504 LIBERTY ST. 'PHONE 2167.
Am. Beauties Roses Violets
PITTSBURGH CUT FLOWER CO. LTD. FORT PITT A.D. 1763 COL. BOQUET. PITTSBURGH, PA.
CONSIGNMENTS SOLICITED.
Florists' Supplies

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Lettere end Embleme. Block Letters, $2.00 per Script Lettere, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, JOBBERS IN
Always on Hand:
CARNATIONS, BRIDESMAIDS, BRIDES.
FLORISTS' SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

H. G. BERNING
Wholesale Florist,
SUCCESSOR TO
ST. LOUIS CUT FLOWER CO....
1322 Pine St., ST. LOUIS, MO.

The Cincinnati Cut Flower Co.,
416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.
Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR
....Cut Flowers
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....
ELECTRO OF THIS LEAF, POSTPAID, $1.25.
American Florist Co.,
CHICAGO.

It is good business policy to mention the
...AMERICAN FLORIST
when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, July 4.

Roses, Tea	1.00@ 2.00
" " extra	3.00@ 4.00
" Beauty, extra	10.00@15.00
" " firsts	5.00@ 8.00
Carnations	.25@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.50@ .75
Sweet Peas	.15@ .30

BOSTON, July 3.

Roses, Beauty, extra	20.00@25.00
" " medium	4.00@ 6.00
" " culls	1.00@ 2.00
" Bride, Bridesmaid, Meteor	.50@ 3.00
" extra	3.00@ 5.00
" Kaiserin	6.00@ 8.00
Carnations	.50@ 1.00
Lily of the valley	3.00@ 4.00
Longiflorums	4.00@ 6.00
Sweet peas	.10@ .15
Smilax	10.00@12.00
Asparagus	50.00
Hardy ferns	.25

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.
WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN,
Wholesale Florist,
1122 PINE STREET,
ST. LOUIS, MO.
A complete line of Wire Designs.
Please mention the American Florist when writing

Woodroffe & Bernheimer,
Wholesale Florists
1604 LUDLOW STREET,
'Phone 1-42-69-A. PHILADELPHIA.
Consignments Solicited.

LEO. NIESSEN,
Wholesale Florist,
N. W. COR. 13TH AND FILBERT STREETS.
LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.
Consignments of Choice Valley and Roses solicited.

Geo. M. Moss,
WHOLESALE FLORIST,
32 South 17th Street, PHILADELPHIA, PA.
Long Distance 'Phone 1-41-26 D.
Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL
Wholesale Florist,
27 S. 11th St., Telephone 63-64, PHILADELPHIA.
Orders by mail, telegraph or telephone will receive prompt attention.
Consignments of good stock solicited.

...GEO. M. KELLOGG...
Largest Grower of... in the West. Cut Flowers
Give us an order and we will please you.
Our Greenhouses at PLEASANT HILL, MO.
Our Store, 906 Grand Ave., KANSAS CITY, MO.
LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON,
Wholesale Florist,
5515 Fifth Ave, PITTSBURG, PA.
LONG DISTANCE 'PHONE 2985.
Consignments of Roses, Carnations and Violets, Solicited.

J. M. COHEN, Florist,
Telephone 2385.
CONSIGNMENTS SOLICITED.
22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
JUNE SPECIALTIES. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

GHORMLEY & PERKINS,
Wholesale Commission **Florists,**
New and Commodious Establishment at 57 West 28th St., NEW YORK.
Prepared to handle large or small consignments of cut flowers to growers advantage. Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange, NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, July 3

Roses, Beauty select	21.00@25 00
" " medium	4.00@ 6 00
" " culls	50@ 2 00
" Bridesmaid, Bride, Meteor	.25@ 1 00
" " " Select	3 00@ 4 00
Carnations	.50@ 1 00
Lily of the valley	2 00@ 2 50
Sweet peas... per 100 bunches 25@ 50	
Harrisii	2.00@ 4 00
Cattleyas	20.00@33 00
Gladioli	2 00@ 5 00
Asters	1.00@ 1.50
Auratum lilies	6.00@ 8 00
Smilax	8.00@12 00
Asparagus	25 00@35.00
" Sprengerii, per doz. bunches	.75@1 00
Adiantum	.50 .75

BUFFALO, July 5.

Roses, Beauty	15.00@20 00
" Bride, Bridesmaid, Meteor	3.00@ 6 00
" Perle, Niphetos	3 00
" Kaiserin	6 00
Carnations	1 00@ 2 00
Lily of the valley	3.00@ 4 00
Sweet peas	.25
Harrisii	10 00
Smilax	15 00@20 00
Adiantum	1 00@ 1.25
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

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CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE pea crops east and north will be looked over and rogued the coming two weeks.

DUTCH houses report a favorable outlook for harvesting the best crop of bulbs in recent years.

ABRAM AGNEW, father of H. C. Agnew, of Agnew, Cal., died at his residence, Santa Clara, Cal., June 20.

COOL spring weather has been favorable for the potato crop generally, but the drought has hurt it in the northwest.

ONION seed crop prospects in California have improved. Some effects of the blight have disappeared and a fair crop seems assured. Spinach bad.

THE Iowa Seed Co., of Des Moines, will shortly erect a three-story building 32x66, well located for side-trackage, to facilitate the handling of their business.

Detroit.

JUNE CLOSED WITH UNPRECEDENTED ACTIVITY IN THE FLOWER STORES—WEDDINGS AND COMMENCEMENTS MADE TRADE HEAVY.—PRESENT CONDITIONS DIFFERENT.—CLUB ENJOYS AN EXCURSION.—LAST MEETING DEVOTED TO COAL DISCUSSION.

Summer conditions have suddenly settled down upon us, but the wind-up of the season was conspicuous for an extraordinary activity occasioned by the many weddings and school commencements that marked the two last weeks of June. It was a daily rush to fill orders, and flowers of all kinds were speedily used up. The local carnation growers, who only the week before threatened the retailers that they would load their wagons, parade the streets, and sell their flowers for 10 cents a dozen, were unable to fill orders at good prices. Roses, too, were scarce, especially Beauties; many more of them could have been sold if obtainable. Pæonies were grand and their season was prolonged till nearly July. At present roses are still scarce owing to the early planting of new stock by most of the growers. Carnations are good and more than sufficient to meet the limited demand now prevailing.

Our last club meeting was devoted to the consideration and discussion of the co-operative purchase of coal, and a committee was appointed to confer with the dealers to ascertain the prices at which deliveries could be made the coming season. It was found that about 4,000 tons was the probable consumption by florists in and about this town. The responses made by the few dealers so far approached indicate a difficulty to get a special price owing to the constant changes in freight rates, which are at present impossible to determine for fall deliveries. The matter will be followed up, however, and if any advantage arises from the plan it will be adopted.

An outing enjoyed by thirteen members of the club took place on June 28. Leaving Detroit in the morning on the new and elegant steamer Tashmoo, a pleasant trip was made to Algonac, a summer resort on the St. Clair river, arriving there at 12 o'clock. After dinner at the Riverview Hotel the party was divided into pairs and furnished with fishing equipments. Indians from Walpole Island rowed them along the shore in search of fish. This fascinating sport was indulged in till after 6 o'clock, when, after a fair division of the catch, a grand fish supper was served, enlivened by short speeches. The return trip was made by trolley car via Mount Clemens, arriving home about midnight. It was the first experience of some of the boys at fishing, but their success was so flattering and the enjoyment so great that already another trip of the kind is planned for the near future.

Chas. Schaible is busy renovating his new store and building a conservatory at the rear.

Breitmeyers are rebuilding three houses, each 20x65 feet, on their Mack avenue place.

Recent visitors: Chas. B. Weathered, New York; C. Nall, Dayton, O; S. S. Skidelsky, Philadelphia; Daniel B. Long, Buffalo; C. W. Ward, Queens, L. I.

J. F. S.

St. Louis.

TRADE DOWN TO THE USUAL PROPORTIONS AT THIS SEASON—ABSENCE OF SOCIAL ACTIVITY THE CAUSE.

Trade is rather quiet this week. The weather has been extremely hot and good stock very scarce. A great many society people left this week for their summer residences which, together with an almost total absence of weddings, are causes for business falling off. Roses are coming in a little better than last week, but Brides are in somewhat short supply. Carnations hold their own at from $1 to $1.50 per hundred. Sweet peas have taken a tumble to themselves and the supply is now nearer to the demand.

The funeral of L. M. Rumsey, the manufacturer, on Sunday, called for a large amount of flowers, which were purchased largely in the West End. Ellison & Tesson received the Rumsey family order.

Dr. Wm. Trelease of the Missouri Botanical Garden, has returned from his trip to New York, as has also R. J. Mohr.

M.

Nashua, N. H.

A. Gaedeke & Co. never do things by halves and when they concluded to rebuild their houses they did so in a manner to meet all the modern requirements, as well as the approved methods of the up-to-date florists. Their new store needs to be seen to be appreciated. It is both an attractive and well appointed floral establishment.

Geo. E Buxton is adding a carnation house 20x135 to his already extensive greenhouse plant. As a carnation grower Mr. Buxton is pre-eminently successful, and may well rank among the foremost growers in New England. It goes without saying that the best varieties are being grown on his place. Three seedlings of his own may be heard from some day. Mr. Buxton has removed his store to 133 Main street. Modern and up-to-date in all its appointments, Nashua may well boast of its two floral stores.

CINERARIA--CALCEOLARIA--PANSY

Cineraria, James' Giant strain, the finest strain offered, per packet, 35c; ½ tr. pkt., 65c; tr. pkt., $1.00.
Calceolaria, James' Giant strain, unsurpassed; ½ trade packet, 30c; trade packet 60c.
Pansy, Johnson & Stokes' Kingly strain, comprises all the giant sorts of merit; per packet, 25c; ½ trade packet, 30c; trade packet, 50c; per oz., $5.00.
Asparagus Sprengerii, 100 seeds, 50c; per 1000 seeds, $4.00.

Write for quotations on Early Forcing Bulbs.

JOHNSON & STOKES, SEEDSMEN. 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans, Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc

Send us list and we will give figures. Address

H. H. BERGER & CO., (Est. '78) 47 Barclay St., N.Y.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN

SEND FOR PRICE LIST.

Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.

VREDENBURG & CO., Rochester, N. Y.

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ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition:

KENTIA FORSTERIANA, per 1000, $4.00; 5000 to 10,000 at $3.50; 10,000 and over at $3.00.

Also CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., at $8.00 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Field Grown **CARNATIONS**

Orders booked now for fall delivery.

GEO. HANCOCK & SON, Grand Haven, Mich.

VAUGHAN'S LIST OF SEASONABLE SEEDS ...For... Florists' Use.

Vaughan's International Primula Mixture. This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the above mentioned Giant sorts, some Fern leaved, some blue; also some with dark leaves and stems. Pkt., 350 seeds, 50c; 5 pkts., (1750 seeds,) $2; per 1-16 oz., $2.50.

PRIMULA SINENSIS FIMBRIATA, (Chinese Primroses).

	250 seeds.	1000 seeds.
Alba, pure white	$ .50	$1.50
Chiswick Red, bright red	.50	1.75
Kermesina Splendens, crimson	.50	1.75
Atrosanguinea, brightest deep red	.50	1 70
Alba Magnifica snow white, of excellent form and habit.	.50	1 70
Peachblossom, beautiful white with pink hue	.50	1.70
Blue, a clear sky-blue	$ .50	$1.70
New Upright Deep Velvety Red	.50	1.75
Rosea, bright pink	.35	
Mont Blanc, new, large, pure milk-white flowers	.50	
Striata, white and lilac striped	.35	
PRIMULA Mixed, a splendid variety. ⅛ oz., $3.00;	.25	1.25

VAUGHAN'S COLUMBIAN CINERARIAS.—This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Per T. pkt., about 1000 seeds, 50c; 3 pkts. for $1.25.

CALCEOLARIA HYBRIDA.—Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties and we know it will give entire satisfaction. Trade pkt. (1000 seeds), 50c.

VAUGHAN'S INTERNATIONAL PANSY MIXTURE.—The finest Pansy Mixture in existence, as all florists who have seen or used it can tell you. Price per oz., $10.00; ⅛ oz., $1.50; trade pkt., 50c

VAUGHAN'S GIANT PANSY MIXTURE.—For those who wish large flowers, this is the best mixture that can be had. It is composed of all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassier, and several other special strains. Price per oz., $4.00; ⅛ oz., 60c; trade packet, 25c.

For list of separate varieties, see our Florist Catalogue. Copy mailed on application

ASPARAGUS SPRENGERII, 50c per 100, $4.50 per 1000 seeds.

Bamboo Cane Stakes—Per 100, 75c; 250, $1 25; 1000, $4.00, f. o. b. Chicago.
Rose Grower Bone Meal.—The best for florists' use. It is ground fine, hence is quick acting. 50 lbs., $1.00; 100 lbs., $2.00; 200 lbs., $3.50.
Van Reyper's Glazing Points.—Per box of 1000, 60c; postage 10c extra.
Mastics.—Better than putty; per gallon, $1.25; 5 gallons, $6.50. One gallon covers 290 running feet (one side).

CHICAGO, 84-86 RANDOLPH STREET. **VAUGHAN'S SEED STORE,** NEW YORK, 14 BARCLAY STREET.

XXX STOCK

For Immediate Shipments.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world. Now ready to ship; a splendid stock of plants in four true colors, red, white, pink, and white with carmine eye, from 2½-inch pots, $5 00 per 100; $40.00 per 1000. 250 at the 1000 rate.

CINERARIA HYBRIDA MAXIMA GRANDIFLORA and Maxima Grandiflora Nana, strain superb in every way, from flats, transplanted, $1.75 per 100; $15.00 per 1000. 250 at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Möller's Deutsche Gärtner-Zeitung

The most widely circulated German gardening journal, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.

Möller's Deutsche Gartner Zeitung is published weekly and richly illustrated. Subscription $3.00 per annum, including postage. Sample copies free.

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CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

PANSIES WORTH RAISING

SMALL PLANTS ALL SOLD. None left but flowering plants from field at **$2 00 PER 100** and up.

C. SOLTAU & CO.,
199 Grant Ave., JERSEY CITY, N. J.

ROSES and CANNAS.

Am. Beauties, 3-inch, $6.00 per 100. Pres. Carnot, 3-inch, $6.00 per 100. Souv. de Wootton, 4-inch, $7.00 per 100.

Paul Bruant, deep red; Chas. Henderson; A. Ferrier, bronze; F. Vaughan; started plants, $6.00 per 100.

ROBERT F. TESSON, West Forest Park, St Louis.

Please mention the American Florist when writing

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

SMILAX, From Pots, Ready Now.

$1.50 per 100, $15 per 1000.

Asparagus Plumosus,

From 3-in. Pots, Ready July 15th,

$6 per 100, $50 per 1000.

You will make no mistake in sending me your order; this stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

SMILAX.

	Per 100
Fine plants, 2-in. pots	1000, $8.00; 1.00
ASPARAGUS Sprengerii, 2-inch pot	3.00
ASPARAGUS Plumosus Nanus	4.00
Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea	2.00
Pansy seed, large-flowering	$4.00 per oz.

—CASH PLEASE—

JOS. H. CUNNINGHAM
DELAWARE, O.

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SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. **VIOLETS.**

WOOD BROTHERS, FISHKILL, N.Y.

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THE VERY FINEST STOCK OF

IVORY'MUMS

$2.00 per 100, $17.50 per 1000.

2500 ready in prime condition for this and next week's plants. 2000 for later planting. Your money back if not A1.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

BUSINESS has this year continued considerably further into the summer than is usual.

GEO. C. ATWOOD, of Geneva, is now in charge of New York's San Jose scale department.

THERE is a strong movement toward reforesting denuded areas with catalpas for commercial purposes.

SILAS WILSON says that he is booking many orders for the McPike grape for fall and spring delivery.

THE nursery stock of Southern Bros., in Wood county, West Virginia, has been sold to A. S. Dyke for $12,705 at bankruptcy sale.

A. BRANSON, the New Sharon, Ia., nurseryman, has been nominated for congress upon the prohibition ticket in the sixth district of his state.

AT Corinth, Ia., the Corinth Nursery Company has been incorporated with $50,000 capital stock by A. C. Necke, Ada Necke and A. N. Hill.

THERE was a great gathering of horticultural enthusiasts at College Station, Tex., July 3 to 6, the Arkansas, Oklahoma and Texas societies being in joint session.

THE original Concord grape vine still thrives upon the estate of the originator, E. W. Bull, at Concord, Mass., which has been purchased by Mrs. Daniel Lothrop and preserved as a memorial to the man and his work.

RIGHT to a mechanic's lien, says the *Chicago Daily News*, for the improvement of grounds by enrichment of the soil, planting flowers, shrubs, trees, etc., without making any structure thereon, except a rustic bridge of slight importance, is denied in Nanz vs. Cumberland Gap Park Company (Tenn.), 47 L. R. A. 273, where the statutes clearly contemplate such liens shall be created only by the erection of some building.

Philadelphia.

HOT WEATHER MEETING OF THE CLUB.—THE CHIEF SPORTSMAN DISSERTATES UPON HIS HOBBY.—ASSURANCES OF A BIG CONVENTION PARTY.—WILL TRAVEL IN A SPECIAL TRAIN.—ANOTHER BOWLING TROPHY.

The July meeting of the Florists' Club, held last Tuesday evening, was a hot weather affair, as the attendance was limited to the faithful. The event of the evening was the address of John Westcott on "Kindling Convention Enthusiasm." His remarks had not been put to paper, as intended, as on account of a busy season he had not time to do so. He, however, in his usual happy style, set forth his ideas as to what draws the crowd. Some go to hear and discuss the papers read, some to see the trade exhibits, some on account of the good company they are sure to find there and to see, perhaps, a city and section of the country they have not visited before. But all who attend are out for a good time, and the side issues, the entertainments and the attractions of the bowling and shooting contests, he thinks, have as much to do with getting out a full attendance as does Smith's paper on how to kill mealy bug or Jones' essay on the higher education and the elevation of the business. He hopes that as many as can will come to the convention by way of Philadelphia and join the party here, to go with us by special train the balance of the distance. To all who will stop over here for a couple hours and stretch their limbs he guarantees to give something that will arouse their enthusiasm to concert pitch and send them on their journey in a merry mood. There will be about 200 delegates from this city who will have a special train with decorated cars and everything up-to-date.

The subject for the next club meeting is to be the best cool room methods for keeping flowers. H. C. Geiger, of the Floral Exchange, is to be the essayist. Some new members were elected and others proposed for action next month. There was on exhibitian a magnificent silver vase given by the Floral Exchange of Philadelphia and Edgely. This is donated by the firm to the Florists' National Bowling League as a trophy to be bowled for at the annual tournaments until it has been won twice by the same club, when it is to become their property. It is called the Queen of Edgely Bowling Trophy, named in honor of the new rose, the pink American Beauty. The vase stands thirty-two inches high and is of beautiful design.

Business is very quiet; good flowers are exceedingly scarce.

Jacob Becker sailed for Europe on Saturday last. K.

Bloomington, Ill.

It is a sad, gloomy and most desolate spectacle that presents itself to the view of the stranger upon arriving in this town. Five business blocks in the very heart of the city have been reduced to brick, mortar and ashes. What has but recently throbbed with life and activity has been silenced by the recent conflagration, a calamity that was simply appalling. It is characteristic, however, of the American spirit to go ahead despite adversity and misfortune. No sooner had the smoke disappeared and the bricks cooled off than an army of men was set to work to clear the ground. A year hence one may see some imposing buildings in place of the present ruins. Notwithstanding the calamity, business has been brisk all along, while the outlook for the coming fall is decidedly encouraging.

A. Washburn & Son have commenced making extensive alterations and improvements about their greenhouse plant. A new house 35x140, intended for carnations, will soon be in course of erection. It is Mr. Washburn's intention to grow carnations more extensively as the demand, both from his wholesale and retail trade, has more than kept up with the supply. He will likewise grow more roses, two houses, each 18x150 being now especially equipped for that purpose. Besides the improvements about the greenhouses, their flower store on Main street will also undergo repairs and alterations, chief of which is the extension of the store proper by thirty feet, while the conservatory in the rear will be somewhat remodeled and improved.

W. T. Hempstead, as usual, has no complaints to make. Business has proved all that could possibly be desired, bedding stock of all grades selling out clean. Mr. Hempstead will give his houses a thorough overhauling.

Miss Emma F. Washburn, daughter of A. Washburn, was recently married to Henry H. Edmunds, superintendent of schools at Atlanta, Ill. The young couple have the best wishes of their many friends in and out of the trade.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting on Thursday, June 28, Wm. Turner reading a very interesting paper on the cultivation of the rose. Wm. Magee and Mark Drury were elected to membership. Ernst Asmus offered a prize for a vase of Liberty rose to be exhibited at the November show, and John H. Troy offered a prize for the use of the society. J. M. Thorburn & Co. give a prize for vegetables grown from their seeds and F. R. Pierson Co. a cup for twelve blooms of Col. D. Appleton chrysanthemum. R. ANGUS.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

For Fall Delivery.
FIELD GROWN ROSES, CLEMATIS,
Ornamental Shrubs, Twining Shrubs, Etc.
JACKSON & PERKINS CO., NEWARK, NEW YORK
J. Austin Shaw is now representing us in Iowa and the west. Letters will reach him addressed in care of Great Northern Hotel, Chicago

Large Elms.
25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA

Send to THE MOON Company
For Your { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO., Morrisville, Pa.

ASSORTED FERNS
In Flats,
Ready for Potting, $2.00 Per Flat.
Ampelopsis Veitchii,
Pot Grown, $6.00 Per 100.
BOBBINK & ATKINS
RUTHERFORD, N. J.

Chrysanthemums
Ivory, Bonnaffon, Mrs. Robinson, Merry Monarch, Bloodwood, from 2-in. pots at 75 per 100, $15 per 1000. CASH. H. DANN & SON, Westfield, N. Y.

LAKEVIEW ROSE GARDENS,

Wholesale Growers,

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR **Cut Flowers.**

Chrysanthemums.

Now is the time to plant them. We offer extra fine, vigorous plants from 2 and 2½-in. pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY.	Per 100	MIDSEASON	Per 100
Ivory	$3.00	Major Bonnaffon	$3.00
M. Henderson	3.00	Wm. Simpson	3.00
Geo. S. Kalb	3.00	V. Morel	3.00
Merry Monarch	3.00	G. W. Childs	4.00
Willowbrook	4.00	H. W. Longfellow	3.00
M. de Montmort	3.00	Mrs. Murdock	3.00
Mrs. J. Whilldin	3.00	Mrs T. L. Park	6.00
John K. Shaw	5.00	Black Hawk	4.00
Golden Trophy	3.00	Mrs. C. H. Pierce	3.00
Glory of the Pacific	3.00	Mrs. H. Robinson	3.00
		Niveus	3.00

LATE.	Per 100	LATE.	Per 100
Mrs. J. Jones	$4.00	Nagoya	6.00
Liberty	4.00	Xeno	6.00
Merry Xmas	4.00	Adula	3.00
Autumn Glory	3.00	Harry Balsley	3.00
E. Dailledouze	4.00	Mrs. Baer	8.00
Golden Wedding	4.00		

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

BUY NOW

PROPAGATING STOCK for Next Year.

	In. pots	Doz.	100
New Hibiscus, Peachblow, double pink flowers	2½	$1.00	$8.00
New Ageratum, Stella Gurney, dwarf blue	2½	.75	5.00
New Salvia, St. Louis, extra large flower spikes	2½	.75	5.00
New Silver-Leaved Geranium, Wm. Langguth dbl. red flower,	2½	1.50	10.00
Acalypha Sanderi (chenille plant)	3	1.00	6.00
New Rose, Evergreen Gem strong	2	1.00	8.00
New Rambler Rose, Helene	2½	1.00	8.00

BOSTON FERNS. We have the largest and finest stock in the West. All well-grown, bushy plants in all sizes. Write for prices.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Chrysanthemums.

FOR ALL PURPOSES.

NOVELTIES

And STANDARD

VARIETIES.

Send Us a List of Your Wants for LOWEST CASH PRICES.

NATHAN SMITH & SON, Adrian, Mich.

CHRYSANTHEMUMS.

Mrs. E. C. Hill	Louis Boehmer
E. Dailledouze	Good Gracious
Mrs. H. Robinson	H. E. Widener
Marion Henderson	Violet Rose
Edith Smith	Golden Wedding

Rooted cuttings, $1.50 per 100; from 2¼-in. pots, $3.00 per 100; 3½ and 4-in. pots, $4.00 per 100. Would like to exchange for small palms or ferns.

A. D. MONTGOMERY, Hazelton, Pa.

American Florist Advts.

Mean More Business.

XXX SEEDS.

CHINESE PRIMROSE.

Finest large flowering fringed, single and double, fifteen varieties, mixed, 500 seeds, $1.00; ½ pkt., 50c. Chinese Primrose plants ready in August; of the very finest varieties; singles, $2.00 per 100; doubles, $3.50 per 100.

PRIMULA OBCONICA GRAND. HYBRIDA.

The very finest of the improved Hybrid Obconicas, large flowering and choice colors, truly grand, 1000 seeds, 50c.

CINERARIA GRAND. NANA.

The finest large flowering dwarf varieties, very showy, in choicest mixture; 1000 seeds, 50c.

PANSY, FINEST GIANTS.

The finest large-flowering varieties to be had, best colors and strong growing, mixed; 3500 seeds, $1.00. A packet of the grand new Forget-me-not "Triumph" added to every order.

THE HOME OF PRIMROSES. **JOHN F. RUPP, Shiremanstown, Pa.**

For **PALMS** Write to

WALTER RETZER & CO.,

WHOLESALE GROWERS.

2045-59 Clarendon Ave., (North Halsted St.) **CHICAGO, ILL.**

FROM COLD STORAGE.

Write, telegraph or telephone.

GALAX LEAVES Brilliant Bronze, $1.50 per 1000; Brilliant Green, $1.50 per 1000. LEUCOTHOE SPRAYS Bronze, $1.25 a 100; Green, $1.25 a 100.

FANCY FERN, DAGGER FERN, ETC. At Market Prices

HARRY A. BUNYARD, 42 W. 28th St., New York City.

Telephone, 2065 Madison Square.

Choice Pot Plants, 1c Each

We wish to give our customers the benefit of very low prices for a short time.

Geraniums, the choicest, most desirable varieties to be had, true to name. Bruanti (best semi-double scarlet), S. A. Nutt, Athlete, White Swan, La Favorite, Mrs. J. M. Garr (best single white), Beaute Poitevine, American Wonder, Mrs. E. G. Hill, Mme. Bruant and others, $2.00 per 100, strong 2½-in.; Rose Geraniums and Mme. Salleroi, 1c each, strong 2-in.

Petunias, double fringed, in full bloom, Henderson's and Dreer's latest superb sets, strong 2-in. 1c each; really worth $1.00 per doz.

Fuchsias, choicest sorts, strong 2-in., $1.50 per 100; fine 4-in., full bloom, at 6c; 2½ and 3-in. at 2c.

Coleus, elegant named varieties, all beauties, 1c each, strong 2 and 2½-in.

Ageratum, Princess Pauline (latest blue), strong 2-in., 1c.

Salvias and **Giant Alyssum,** 1c.

Asters, Giant Comet (true) in pure white and lavender, pink and white, strong 2-in., 1c. Plant in bench, they'll pay.

Roses, fancy extra select Brides, Perles and Maids, 3-in., 4c; the same in 2½-in. pots, including Meteor, 3c; Kaiserin, Wootton, Golden Gate, Belle Siebrecht, strong 2½-in., 4c.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

ACALYPHA SANDERI

2½-inch pots, $8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa.

BEGONIA GLOIRE DE LORRAINE

Plants from 2-inch pots,

$2.50 per dozen; $17.50 per hundred.

Money Order Office, Chestnut Hill, Sta. H. Philadelphia.

EDWIN LONSDALE, Wyndmoor, Montgomery Co., Pa.

VIOLETS From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, $2.50 per 100, $20 per 1000.

GERANIUMS, plenty of S. A. Nutt and Bruanti at $6.00 per 100; also a few mixed at same rate; 3-in. at $3.50 per 100. Mme. Saleroi, 3-in., $3.50.

ALTERNANTHERA, from flats, $2 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...OF... **ARECA LUTESCENS, KENTIA BELMOREANA, PHOENIX RUPICOLA.**

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50

2½-inch Coleus, Crimson Verschaffeltii, Golden Queen and mixed colors, $2.00 per 100.

Cash With Order or C. O. D.

WM. A CLARK & SON, 59 State St., Watertown, N. Y

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

VEGETABLE PLANTS.

	Per 1000
CABBAGE, Flat Dutch and others	$1.00
CAULIFLOWER, H. Early Snowball	1.50
PEPPERS, Bullnose Ruby King	1.50
BRUSSELS Sprouts	1.00

All Fine, Large Plants, Ready to Plant Out.

J. C. SCHMIDT, - Bristol, Pa.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Flatbush.

The following are the averages on Flatbush alleys, Thursday evening, July 5:

Riley	161	Woerner	121
Raynor	147	P. Dailledouze	118
E. Dailledouze	146	Wocker	111
Prosser	144	Stewart	109
A. Zeller	137	Thennis	98
H. Dailledouze	134	C. Z ller	88
Schmutz	128		

At New York.

Aspirants for glory and silver cups made the following scores in the practice games at the bowling alleys last Monday evening, July 2:

Player	1st	2d	3d	Av
Donlan	162	141	136	146
Traeudly	178	153	102	144
Burns	148	109	175	144
Thielman	155	131	141	142
O'Mara	132	141	147	140
Lang	145	126	141	137
Marshall	134	116	154	135
Manda	153	104	135	131
Roehrs	120	107	113	113

At Detroit.

The following are the scores made on Monday evening, July 2, by Detroit's aspirants to championship honors:

Player	1st	2d	3d	4th	5th	Av
Ferguson	168	173	135	182	198	171
Breitmeyer		184	185	142	170	170
Pantke	169	167	139	174	135	157
Halzoagle		152	158	109	161	115
Taylor	150		131	151	136	142
Beard	121	138	153	148	148	142
Dunn	120	134	145	147		137
Watson	126	169	167	98	168	134
Pickworth	152	148	100	151	111	132
Flowerday	144	140	111			132
Davis	140	128	127	149	103	129
Sullivan		116	106	109	126	114
Hupprich		112				112

J. F. S.

At Chicago.

The following are the first three of the series of fifteen games open to candidates for places on the New York team:

Player	1st	2d	3d	Av
F. Stollery	173	113	157	148
Wilson	137	142	148	142
Hauswirth	139	155	131	142
Winterson	137	115	164	139
Degnan	156	136	130	137
Kreitling	108	95	137	113

Degnan won out in the ten-game match between himself, Hauswirth and Winterson. Hauswirth was second, but Winterson, although classed as an "also ran" as regards the finish, made the high score of the contest, 211; Hauswirth's highest was 192. Eight games were played in one evening and it was a very even thing up to the last game, in which Degnan made 204.

At Boston.

For half a dozen years the bowling interest in Boston has been hibernating. On Monday evening of last week it peeped out of its hole in a timid way; on Monday of this week it emerged and began to get a move on. Old war horses and youthful aspirants there were in the bunch that congregated at the Webster bowling alleys on Warren street. It took a deal of cajolery and coaxing to get some of them to doff their coats and face the pins, but once started, like the old maids at a dance, it was next to impossible to get them to stop. M. H. Norton, although he apologetically assured his backers that he hadn't handled a ball for four years, made the best score. P. Welch could not keep his attention from Lawrence Cotter's new bowling slippers or his score would have been better. Here are the merciless figures as they stared at the participants as they started for home and meditation; meetings every Monday till further notice:

Player	1st	2d	3d	4th
Rough	116	94	100	90
Stewart	111	120		
Morton	59	92	112	110
Norton, Sr		140	157	164
Norton, Jr	172	128	132	135
Sutherland	123	132	183	107
Ed. Welch		101	108	142
P. Welch		103	93	
Leavitt		105	118	97
Cotter		114	123	118
Martin		126	104	

At Philadelphia.

There have been warm times lately for the struggle for team places has now commenced on the outside alleys. The following gentlemen are eligible for the team to represent the club in the international tournament at New York the middle of this month; the first match was bowled on the American alleys, Sixth and Chestnut streets last Monday evening; the score follows:

Player	1st	2d	3d	T l
Peterson	186	176	159	521
Jackson	161	179	164	504
Connor	175	141	149	465
Hamilton	110	193	144	447
Westcott	147	175	123	445
Moss	148	150	145	443
Walker	118	158	153	429
Allen	147	136	142	425
Harris	129	133	135	397

Hamilton, our crack bowler, broke another record last month by making an average of over 180 pins to a game in twenty-five games. K.

Washington.

TRADE ON THE DECLINE—STOCK GENERALLY POOR BUT EXCELLENT DECORATIVE PLANTS ARE SEEN.—VARIOUS ITEMS.

Trade is on the decline, and, on account of the hot weather, stock is only fair. N Studer, at Anacostia, has a fine lot of his fern, Nephrolopis Washingtoniensis erecta, which is a very free grower and makes fine specimens in a short time, and also a form which he calls N. Washingtoniensis pendula. He also has a large stock of the Boston fern and of Nephrolepis exaltata. His palms, such as Kentia Belmoreana, Areca lutescens, Cocos Weddeliana, Latania Borbonica and Seaforthia elegans are in good shape and brisk demand.

Wm F. Gude has returned from Louisville, Ky., where he went as one of a committee of Knights Templar to make arrangements for the triennial conclave. On the trip home their train collided with a freight train, wrecking the engine and a baggage car, causing a delay of six hours and administering a good shaking up, but no one was injured.

The American Rose Company has seven houses planted to roses, two of Mme. A. Chatenay, four of Ivory and one of Golden Gate. They will soon plant two more houses of roses. The company had an offer of $2500 for the entire stock of Ivory rose but declined. Their carnations are doing very nicely out of doors

Wm. H. King has leased his place at Pathfinder, D. C., to Jos. P. Hauck, of Pittsburg, Pa., who will grow roses, carnations, chrysanthemums and violets for cut flowers, and bedding plants in general. P. G.

Making the Plants Go Round.

The new reporter, in his story of the wedding, wrote: "The floral display stretched from the chancel rail to the doors of the church."

The City Editor, in a mild manner, as is the custom of City Editors with new reporters, suggested:

"Couldn't you have used a better word than 'stretched?' Say the floral display 'nodded,' or 'twined,' or something like that—some word more suggestive of flowers."

"'Stretched' is all right," replied the new reporter, with the stubborn courage of a realist. "The decorations consisted of six rubber plants, and they had to stretch to go the distance."—*Boston Journal.*

A Point Worth Knowing.

At the NEW YORK HOTEL you are but two minutes' walk from the Exhibition Building. Large, light and well-ventilated rooms, one dollar per day and upward. Popular priced Restaurant. Special rates to Florists. Write early for accommodations.

E. H. NIES, Mgr.

Please mention the American Florist when writing.

1500 N. Cordata Compacta,

In 2-in. Pots, Strong Plants, at

$3.00 per Hundred.

Also Strong Plants from Bench, at $2.00 per Hundred.

CHAS. SCHWEIGERT, Niles Center, Ill.

Please mention the American Florist when writing.

Imperial Violets,

Longest stems, largest flowers, darkest in color. A1 stock, fine large plants, $5.00 per 100, $15.00 per 1000.

M. LOUISE, LADY CAMPBELL,

$2.50 per 100, or $20.00 per 1000.

CASH WITH ORDER, PLEASE.

VAN AKEN BROS., Coldwater, Mich.

Please mention the American Florist when writing.

NOVELTIES IN PLANTS

That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr Peter Barr's New White Lupin The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea Send for Catalogue of Novelties.

Always in quantity—Asparagus Sprengeri, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices

A BLANC & CO., Philadelphia, Pa.

Please mention the American Florist when writing.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

Roses for Florists

OUR Rose Plants are all grown for the trade. We do not grow cut flowers. Such plants, we claim, are well worth more money than ordinary *surplus* stock.

Our Roses are all shifted from 2-inch pots and equal to most stock usually sold as 3-inch.

	2½-in., per 100	3½-in., per 100
American Beauty	$6.00	$12.00
Brides	3 00	8.00
Bridesmaids	3.00	8 00
Perles	3.50	9 00
Kaiserin	4.00	10 00
Meteor	3.00	7.00
Wootton	5.00	
Golden Gate, 2-in.	3.00	
Sunset	4.00	10 00

Bedding Roses, in 2-in. pots, strong stock, in variety, $2.50 per 100, $20 per 1000.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

ROSE PLANTS

		Per 100	Per 1000
METEOR, BRIDESMAID, BRIDE, LA FRANCE	2½-in. pots,	$3 00	$25.00
	3 " "	4 00	35.00

AMERICAN BEAUTY, 3-inch pots, $6.00 per 100.

AMERICAN BEAUTIES, lifted from benches, $2.50 per 100, $20.00 per 1000.

LA FRANCE, lifted from benches, $2.50 per 100, $20.00 per 1000.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

ROSE PLANTS

Good, Healthy Stock.

BRIDESMAIDS, KAISERINS	3-inch, $4 per 100, $35 per 1000.
BRIDES, PERLES	2½-in., $3 per 100, $25 per 1000.

Cash With Order.

Martin A. Magnuson,

3309 N. Western Ave., CHICAGO, ILL.

LEADING CHRYSANTHEMUMS.

White—Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jones, Independence, Weeks, Frank Hardy; **Yellow**—Golden Trophy, Henderson, Johnson, O. P. Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch; **Pink**—Montmort, Glory de Pacific Morel, Perrin, Murdock; **Bronze**—Chas. Davis; **Red**—Geo. W. Childs; Lottie Berry, out of 2½-in. pots, $2 per 100, $18 per 1000.

Also **White**—Lady Fitzwygram, Mayflower, Chadwick and Western King; **Yellow**—Golden Wedding, Yellow Jones, H. W. Rieman; **Pink**—Autumn Glory; **Red**—Defender, Schrimpton; **Bronze**—Lady Hanham; 2½-in pots, $2 50 per 100, $22.50 per 1000; 500 or more at 1000 rates.

ROSES. Bridesmaids and Brides, 3-inch, $4 per 100, $35 per 1000; ready for benching. Meteors, 2½-inch, $2.50 per 100.

Terms cash, or will send C. O. D.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

FORCING ROSES

GILT-EDGED STOCK, GROWN FROM SELECT WOOD AND WILL SATISFY THE MOST CRITICAL BUYER.

3-inch Pots.	Per 100	Per 1000
PERLE	$6 00	$50.00
BRIDESMAID	6.00	50.00
BRIDE	6.00	50.00
METEOR	6 00	50.00
KAISERIN A. VICTORIA	6.00	50.00
GOLDEN GATE	6.00	50.00

This stock is now in extra fine growing condition, ready for immediate planting. TERMS cash with order, or satisfactory reference. Address

S. ALFRED BAUR, SUCCESSOR TO HENRY A. NIEMEYER, **Erie, Pa.**

ROSE PLANTS

		Per 100	Per 1000
AMERICAN BEAUTY	2½-in.	$5.00	$45.00
METEOR	"	3.00	25 00
BRIDE	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
PERLE	"	3.50	30.00
AMERICAN BEAUTY, lifted from benches			35.00

A1 STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave., CHICAGO, ILL.

40,000 FIRST QUALITY FORCING ROSES.

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

WOOTTON, LA FRANCE, AMERICAN BEAUTY, COLDEN CATE.
3-inch pots, $8 00 per 100 4-inch pots, $12 00 per 100.

METEOR. KAISERIN. SAFRANO. BRIDESMAID. BON SILENE.
MERMET, PERLES. MAID OF HONOR. MME. HOSTE. BRIDE.
3-inch pots, $7 00 per 100. 4-inch pots, $10 00 per 100.

CRAFTED ROSES—Maid of Honor, Colden Cate, 3½-inch pots, $15.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY

Bridesmaid, Perle, Bride, Sunset, Meteor, Morgan, Testout, Mermet, La France, Niphetos, Kaiserin, 3, 3½ and 4-inch.

ASPARAGUS PLUMOSUS, all sizes. SMILAX. FIELD-GROWN CARNATIONS. MARIE LOUISE VIOLETS.

A. S. MacBEAN, Lakewood, N. J.

....AN....

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

Newport, R. I.

The annual rose and strawberry show of the Newport Horticultural Society, at Masonic Hall, on June 26 and 27, was pronounced to be the best exhibition of its kind ever staged in Newport. The local gardeners all contributed liberally and M. H. Walsh brought a very large contribution from the Fay estate at Woods Holl. The hall was further adorned by a number of large groups of fine foliage plants and orchids. These were arranged by A. S. Meikle, gardener to W. S Wells; C. D. Stark, gardener to Mrs. Fiske, and Robt. Laurie, gardener to Mrs. Cornelius Vanderbilt.

Among the rose exhibitors, beside Mr. Walsh, were Thomas Beatty, Hugh Williamson, C. Robertson and Alex. Frazer. The Gibson Bros. took first prize for a very handsome fancy basket of roses, Bruce Butterton being second and Robt. Laurie third. There were some handsome fern dishes from Robt. Laurie, Arthur Griffin, Arthur Gardener and others.

Certificates of merit were given to James Mattison and W. J. Lynch for hybrid roses, Arthur Griffin for Liberty rose and M. H Walsh for seedling rose Mrs. J. S. Fay. Mr. Walsh also received a silver medal for his collection of roses. James Boyn was given honorable mention for Marechal Niel roses. The judges were Henry Siebrecht, Wm. Anderson, Arthur Griffin and John Ash.

SYRACUSE, N. Y.—H. B. Snow has purchased the Seeley property adjoining his place, affording a valuable addition to his facilities.

BARABOO, WIS.—Hugh Hills has sold his business here to R. H. Williams and has gone to Elkhart, Ind., where he has purchased the establishment of R. Hoffman, a place of 10,000 feet of glass.

KEWANEE, ILL.—Hamilton & Plummer secured and excellent advertisement by inviting the public to their greenhouses to watch the blooming of a Cereus grandiflorus, the night flowering cactus.

LOOK! From 3-inch Pots,

BRIDES, MAIDS, LA FRANCE, METEORS, ROSES,

What will you give me for what you want?

STRONG, HEALTHY PLANTS.

Subject to examination at your express office.

M. F. LaROCHE, Agt., Collingdale, Pa.

Rose Plants.

	Per 100	Per 1000
METEOR, 3½-inch pots	$5.00	$40.00

Potted and repotted four times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.

3000 2½ & 3-in. BRIDES-3000 2½ & 3-in. MAIDS 500 2½ & METEORS

All at $3 00 per 100, $25.00 per 1000.

Stock in good healthy condition. Order now.

FREY & FREY, LINCOLN, NEB.

20,000 ROSES.

Am. Beauties in 3-in. $7.00 per 100; $65.00 per 1000; 3½-in. $8.50 per 100; $75.00 per 1000. Kaiserin and Golden Gate, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $5.00 per 100; $45.00 per 1000. Perles, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $4.50 per 100; $40.00 per 1000. Brides, Bridesmaids, Meteors, Mme. Garrett and a few Mermets, 3 in. $3.50 per 100; $30.00 per 1000; 3½-in. $4.50 per 100; $40.00 per 1000. These are fine. Send for sample. Cash with order. Mrs. J. W. Crouch, Chattanooga, Tenn.

ROSE PLANTS.

	Per 100	Per 1000
Am. Beauty, 2½ inch pots	$5.00	$45.00
Am. Beauty, 3 " "	6 00	55.00
Kaiserin, 2½-inch pots	3 00	25.00
" 3 " "	4 00	35.00
Golden Gate, 2½-inch pots	4 00	35.00
Bride, Bridesmaid, Perle, Meteor, 2½-inch pots	3.00	25.00
" " " " 3 " "	4.00	35.00

PETER REINBERG, 51 Wabash Ave., ...CHICAGO.

FORCING ROSES

TH S IS NOT SURPLUS STOCK, IT HAS BEEN GROWN ESPECIALLY FOR WINTER BLOOMING, AND WILL GIVE SATISFACTION TO THE MOST CRITICAL BUYERS.

		Per 100
AMERICAN BEAUTY	3-in.	$7.00
BRIDE	3-in.	4.00
BRIDE	4-in.	6.00
BRIDESMAID	2½-in.	3.00
BRIDESMAID	4-in.	6.00
PERLES	3-in.	4.00
METEOR	2½-in.	3.00
MME. C. TESTOUT	2½-in.	$3.00
GOLDEN GATE	2½-in.	3.00
GOLDEN GATE	3-in.	4.00
MAID OF HONOR	2½-in.	3.00
MAID OF HONOR	3-in.	4.00
SOUV. DE WOOTTON	3-in.	4.00

Also a fine stock of Maidenhair Ferns. Adiantum Cuneatum, 3-in., 75c per doz., $5 per 100.

Terms. CASH WITH ORDER. Address

Forest City Greenhouses. H. W. BUCKBEE, ROCKFORD, ILL.

LAST CALL! 6000 METEOR ROSES FROM 2½-IN. POTS.

This stock is A1 in every respect and as good as any we have sent out, which has given general satisfaction.

J. A. BUDLONG, 37=39 Randolph St., CHICAGO.

ROSES

	2½-inch. Per 100	2½-inch. Per 1000	3-inch. Per 100	3-inch. Per 1000
Brides	$3.00	$25.00	$5.00	$45.00
Maids	3.00	25.00	....	.....
Cloth. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Mosella	3 00	25.00	....	.....
Mme. Chatenay	3.00	25.00	....	.....
Am. Beauty	....	.....	8.00	75.00

	Per 100	Per 1000
Mixed Jardinier Ferns, mostly pteris varieties	$3.00	$25.00
Asparagus Sprengerii, 2½-in.	4.00	35.00
" Plumosus, "	6.00	55.00

J. B. HEISS, The Exotic Nurseries, DAYTON, O.

Maids, Brides and Perles

10,000 strong, healthy plants, in perfect condition to plant. No finer stock on the market.

3-inch Stock.	Per 100	Per 1000
BRIDES	$4.00	$35.00
MAIDS	4 00	35.00
PERLES, extra fine	6.00	50.00
2½-inch Stock.		
BRIDES	3.00	25.00
MAIDS	3 00	25.00
PERLES	4.50	40.00
METEORS	2 50	

Samples sent if stamps for postage accompany request. This stock is worth more money than we ask for it, and will give you satisfaction.

W. H. GULLETT & SONS, Lincoln, Illinois.

To Close Out.

METEORS in 4, 3 and 2½ in.
MAIDS in 3, 2½ and 2-in.
BRIDES in 3 and 2-in.
PERLES in 3, 2½ and 2-in.
KAISERINS in 2½ and 2-in.
LA FRANCE in 2½ and 2-in.
BELLE SIEBRECHT in 2½ and 2-in.
GOLDEN GATE in 2½ and 2-in.
WOOTTONS in 3, 2½ and 2-in.
SMILAX in 2-in.

We believe in shifting young roses often. All stock offered in 2½-inch pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established.

23 Houses, 60,000 Feet of Glass. Write

GEO. A. KUHL, Pekin, Ill.

Send $1.00 for samples of what you want; that way you see what you get. Satisfaction guaranteed.

ROSES Clean, Healthy Plants, from 3-in. Pots.

Perle, Sunset, Woolton, Meteor, Albany, Kaiserin and LaFrance, $6.00 per 100.
Bride Maid and Golden Gate, $4.00 per 100.
Perle, Woolton, Bride, Maid and Golden Gate from 2-inch pots, $2 50 per 100.
TERMS CASH.

JOSEPH HEINL, JACKSONVILLE, ILL.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

The American Florist Company's

TRADE DIRECTORY

IS THE ONLY PUBLICATION WHICH GIVES

Complete lists of the Florists, Nurserymen and Seedsmen of the United States and Canada, corrected annually and arranged both alphabetically and by states and towns.

NEW FEATURES

Added in the edition for 1900 are lists of the gardeners or superintendents of private estates, experiment station horticulturists, landscape architects and horticultural supply concerns.

THIS INDISPENSABLE VOLUME OF 387 PAGES, BOUND IN BOARDS, IS DELIVERED POSTPAID ON RECEIPT OF $2.00.

AMERICAN FLORIST CO.

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Louisville.

BUSINESS GOOD IN ALL DEPARTMENTS THIS YEAR.—BEDDING MATERIAL SOLD OUT CLEANLY.—EUROPEAN VOYAGERS AND OTHER NOTES.

Spring trade has been excellent. Cut flower trade has been good. particularly during the week of the reunion of Confederate veterans, although it raiued the whole time. Ol course a quiet time may now be anticipated. Rose buds are now small and sell at $1 per dozen; carnations are good but retail for 50 cents a dozen. The plant sales were unprecedented this year. Everything seemed in demand but roses were most popular; the two-year stock was practically cleaned out. Jacob Schultz had a splendid stock of Crimson Ramblers and he sold every one.

Charles Raynor, of the Anchorage Rose Company, has returned from a short trip to England and his health is much improved, although he still suffers from rheumatism.

Wood & Stubbs have had a fine trade and will remove to a large store on Main street, retaining their old place as a branch.

Frank I. Walker, of F. Walker & Co., has sailed for Paris, intending to make a tour of Europe.

Louisville promises to be well represented at the New York convention.

H. G. W.

MONTPELIER, VT.—E. Jacobsen sailed on June 28 for Germany, on the Fuerst Bismarck from New York.

LAKE GENEVA, WIS.—C. H. Reed, of Birmingham, Ala., is at Belvidere Park, where he will remain through the heated season, or until about September 1.

ISHPEMING, MICH.—Miss Carrie Williams has been forced to leave the Ishpeming Floral Co., which is doing a particularly fine business this spring, because of illness in her family.

Finley Rotary Lawn Rake.

Something New.

"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

The mower and reaper succeeded the scythe; the thresher succeeded the flail—but never until now has a machine been invented to take the place of the antiquated hand rake The machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves and small loose litter of any kind, stones included, that a HAND rake would not touch. A man can rake three times as fast as with a hand rake. ☞A CHILD can run it.

Just the thing to fight crab grass.

It will save its cost in 60 days on any good lawn.

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PRICE $12 00. JOLIET, ILLINOIS.

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FLORISTS' ORCHIDS

.......The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

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Orchids!

Arrived in excellent condition: Lælia purpurala, L. grandis tenebrosa and Oncidium Varicosum Rogersii. Also Cattleya Percivalliana, C. Mossiæ, Lælia anceps and L. autumnalis.

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ROSES, Brides, Maids, Meteors and Golden Gates, extra fine clean growing stock, 4-in., $6.00 per 100: 3-in., $4.00 per 100.
GERANIUMS, S. A. Nutt and others; 2½-in., $2.50 per 100: 3 in., $4.00 per 100; 4-in., $5.00 per 100.
ASPARAGUS Plumosus seedlings, $3.00 per 100.
" Sprengerii seedlings, $2.50 per 100.
NEP. CORDATA COMPACTA, 3-in., $5.00 per 100; from bench, fine, $25.00 per 100.

CASH PLEASE. **Carl Hagenburger**, W. Mentor Ohio.

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10,000 Coleus, named, our selection	2¼	in.	$1.50
5,000 Geraniums mixed	2¼	"	1.50
3,000 Iresines, red and yellow	2¼	"	1.50
1,000 Alternanthera, large-leaved	2½	"	1 50
1,000 Red Vernon	2¼	"	1.50
1,000 Erfordi	2¼	"	1.50
2,000 Begonias, mixed	2¼	"	1.50
1,000 Fuchsias, mixed	2¼	"	1.50
300 Asparagus plumosus	7	"	20.00

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THE JENNINGS STRAIN of Show and Fancy Pansies. New Crop Seed Now Ready.

My 1900 strain is of the highest standard and cannot be excelled by any. Finest mixed, 2500 seeds, $1.00; ½-oz., $2.50; oz., $5.00. Yellow, white, blue and black, in seperate colors, 50c per pkt., postpaid by mail. Small Pansy Plants, 60c per 100 by mail. Cash with order.

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OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

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Fine, strong Seedlings from Flats, 50c per 100, $3.00 per 1000.

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(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

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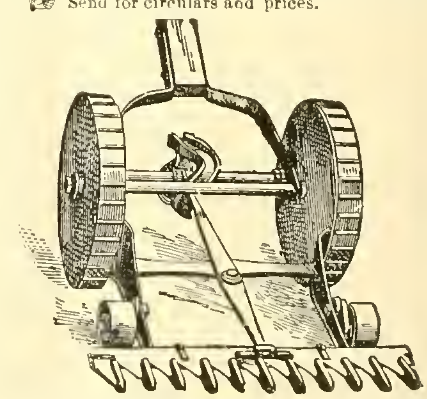
THAT will **KILL ALL THE WEEDS IN YOUR LAWNS.** If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. **The Clipper will do it.**
☞Send for circulars and prices.



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White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready; 15c per 100, $1.00 per 1000, $8.50 per 10 000. (Large enough now for transplanting at 75c per 1000).

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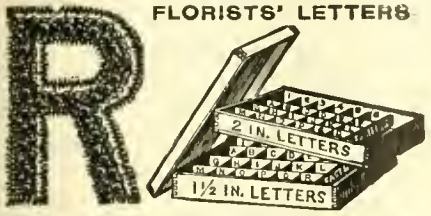
FLORISTS' LETTERS



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Cape Flowers, ALL COLORS;
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IMPORTED PREPARED CYCAS LEAVES, CAPE FLOWERS (white and colored), IMMORTELLES (all colors), METAL DESIGNS, BASKETS, PEDESTALS, ETC., ETC. WHEAT SHEAVES a specialty. Send for special prices.

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Cut out of well-seasoned lumber, straight grained, ¼ inch square; a decided improvement over the cane or bamboo. Cut any length desired; always ready for use; 3 ft. at $1 50 per 1000, 3½ ft. at $2.00 per 1000; 4 ft. at $2.50 per 1000; 4½ ft. at $3.00 per 1000; F. O. B. Indianapolis. Remember the freight is cheaper than on cane stakes.

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Vapor Insecticide
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No labor required. Harmless to bloom and foliage. A certain killer of
ALL GREENHOUSE BUGS.
SOLD BY SEEDSMEN.
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For Greenhouse Cultivating.
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CAPE FLOWERS 90c per pound. CYCAS LEAVES Raw or prepared.
Prepared Palm Leaves all varieties, also raw or pressed ready for painting. Fan Palms, Arecas, Chamadoreas, Date Palms, Uva Grasses, Milk Weeds, Artificial Flowers and Smilax. Lowest Prices—Largest Stock.
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Smilax stringing made easy by the use of
MEYER
GREEN SILKALINE
Just the shade of the foliage. Samples and prices free.
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For sale by leading Florists.

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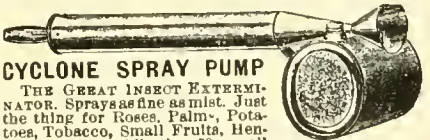

CYCLONE SPRAY PUMP
THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, $1 00. *Cash with Order.* Weighs boxed, about 5 pounds. Buyer pays express.
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MANURE in car lots.
Pulverized, $8 00 per ton.
Natural, $4.00 per ton.
IN SACKS OR BARRELS BY THE TON
PULVERIZED, $12.00. NATURAL, $8.00, f. o. b.
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THE
Gardeners' Chronicle.

A Weekly Illustrated Journal.
ESTABLISHED 1841.

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No. 1—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2 50. No. 2.—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-in. pots, each, $1.75.
Kift's patent rubber capped Flower Tubes, ½-in. diameter, per 100, $3.50.
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Sulpho-Tobacco Soap

Universal Insecticide
For Flowers, Trees and Animals.
Recommended and in use by the foremost florists and nurserymen in the land.
For Sale at the Seed Stores.
ROSE MFG. CO.
NIAGARA FALLS, N. Y.

TELL THEM WHERE YOU SAW THE AD.

Nashville.

HOT SEASON QUIETS MATTERS IN TENNESSEE.—ROSES POOR AS A RULE.—GENY BROTHERS TO INCREASE THEIR FACILITIES.

The heat of midsummer and the lull of July days is on the floral trade in this city, and the growers are making a manful fight to get everything in shape for another season. Roses are very small, with the exception of some Kaiserin and Carnot, which show up pretty well for this time of the year. Some very good longifiorums have been on the market and funeral work made a sale for them. Smaller flowers are in abundance, but they give the usual summer look to the designs.

Geny Bros. are putting up a new chrysanthemum house 100 feet long. They are very successful with chrysanthemums and carnations, of which they make a specialty. They will also build a smaller house for general plants.

M. C. DOREIS.

NEW BRITAIN, CONN.—Carl Lorenzen started June 27 upon one of his periodical trips to Germany to see his aged mother.

PECATONICA, ILL.—Rufus Winchester is about to embark in the florist business, beginning with the erection of one house.

TAUNTON, MASS.—Bernard J. Connolly was married on June 26 to Miss Eliza Dowd. The floral decorations in the church were very handsome.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

Invalid Appliance Co.,
MANUFACTURERS OF
COLUMBIA PLANT TUBS
(PATENTED.)
"The kind that never fall apart."
If your seedsman doesn't handle them, order of us direct.
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FOR INSURANCE AGAINST DAMAGE BY HAIL, Address
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THE KINNEY PUMP.
For applying liquid manure it has no equal. Sent prepaid for $2.50. Without spraying valve, $2.00.
The Hose Connection Co., Kingston, R. I.
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GALVANIZED STEEL

Wire Rose Stakes

THE MODEL ROSE STAKE Looped and Pointed.

Straight or Looped and Pointed.

—ALSO—

The Model Extension Carnation Support.

THE MODEL PLANT STAKE for Lilies and all Pot Plants.

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Brooklyn, N. Y.:
Dear Sir.—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other Specialties are as good, they should make another addition to the money makers of 1900. Very Respectfully,
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TANK WINDOW GLASS.

HOT-HOUSE GLASS A SPECIALTY.

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PATENT ZINC JOINTS

FOR

Butting Glass Without Laps

Makes it air and water tight. Saves fue
No breakage from frost or medium sized hai

Manufactured by J. M. GASSER,
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Boilers OF HIGH GRADE..

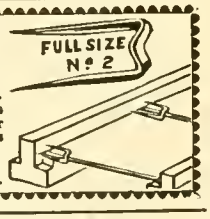
For GREENHOUSES.

See our Catalogue.....

Steam and Hot Water. Giblin & Co., Utica, N. Y.

Holds Glass Firmly

See the Point
The Van Reyper Perfect Glazing Points are the best. No rights or lefts. Box of 100 points 75 cents, postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



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Self-oiling.
Four Styles.
All warranted first-class.
Send for catalogue and see what first-class florists are using.

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The most convenient way of applying an insecticide ever yet devised. No pans required—No heating or irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. *All dealers sell it!*

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CORRECT SIZE.
SUPERIOR QUALITY.
Write for price list.
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ALL KINDS.
STANDARD POTS A SPECIALTY
List and SAMPLES FREE.
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MANUFACTURERS OF
Flower Pots.
Before buying write for prices.
361-363 Herndon Street
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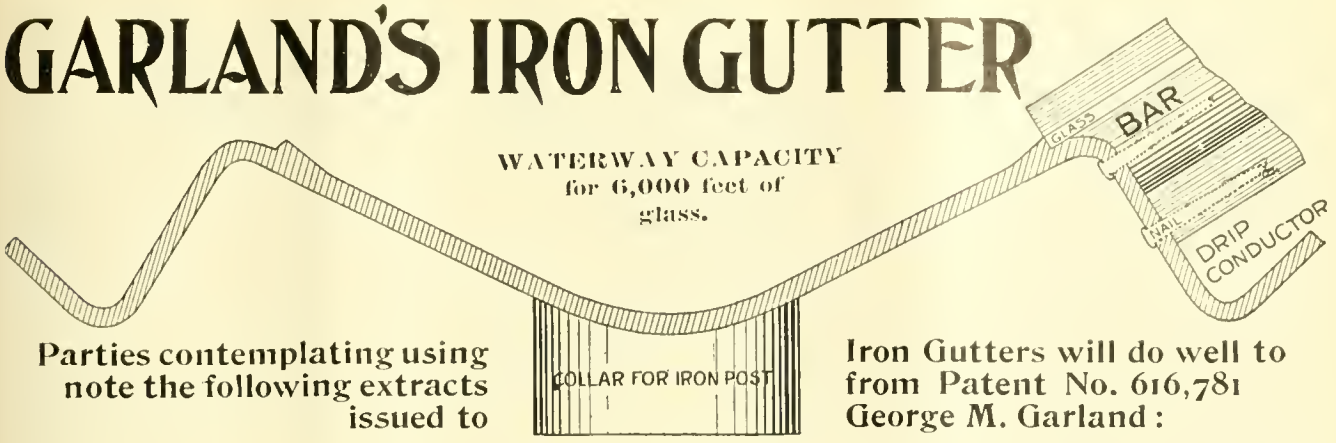
GARLAND'S IRON GUTTER



Parties contemplating using Iron Gutters will do well to note the following extracts from Patent No. 616,781 issued to George M. Garland:

The object of the invention is to provide a valley-gutter for Greenhouses which will be so constructed as to combine a stop for the glass and a drip conductor.

Another object of the invention is to so construct the gutter that the devices for fastening the gutter to supports will be below the weather-face of the gutter, thus avoiding perforations of the weather-face and consequent liability to leakage.

The nails, screws, or other fastening devices are passed through the drop flanges and into the lower ends of the roof-beams, so that these fastening devices for connecting the valley-gutter to the roof structure are below the weather faces of the valley-gutter, and consequently the weather-faces of the valley-gutter need not be perforated, insuring against leakage.

George M. Garland

GEO. M. GARLAND, = = Des Plaines, Ill.

The Bottomless Pot

Pat'd,

MORE ESPECIALLY FOR VIOLET AND CARNATION CULTURE,

And **THOSE RED POTS**

"Standards."

Azalea Pots, Fern Pots, Bulb Pans.

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Established 1853. DETROIT, MICH.

P. O. Address, 490 HOWARD ST.

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Packed in small crates, easy to handle.

			Price per crate				Price per crate
1500	2-in.	pots in crate,	$4.88	120	7-in.	pots in crate,	$4.20
1500	2½	" "	5.25	60	8	" "	3.00
1500	2¾	" "	6.00	48	9	" "	3.60
1000	3	" "	5 00	48	10	" "	4.80
800	3¼	" "	5.80	24	11	" "	3.60
500	4	" "	4.50	24	12	" "	4.80
320	5	" "	4.51	12	14	" "	4.80
144	6	" "	3.16	6	16	" "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

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OR.... FORT EDWARD, N. Y.

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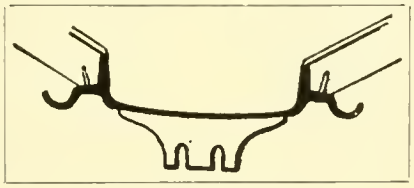

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PATENT IRON BENCH FRAME FITTINGS,
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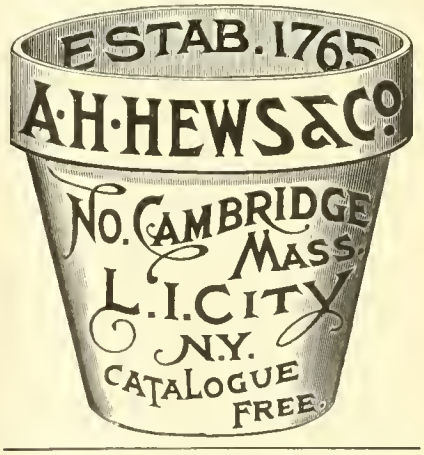

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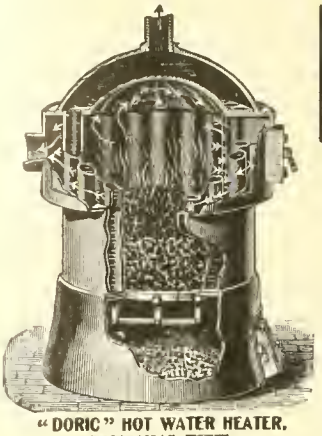

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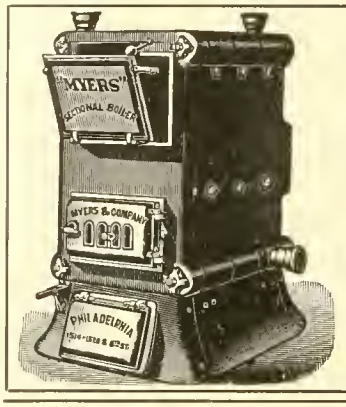

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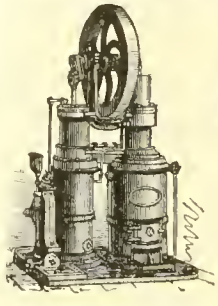

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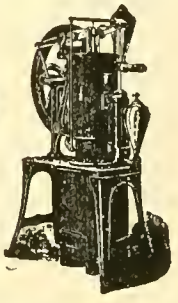

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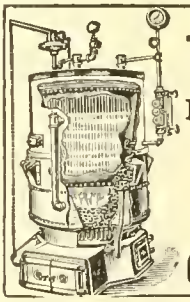

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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LITTLE FALLS, N. Y.—A. Jackson is about to open a florist's establishment in the Snell Building.

Conventions at Expositions.

Because of the interest manifested in the contest for the S. A. F. convention of 1901, the editor of the AMERICAN FLORIST addressed the following letter to a score or more of those gentlemen who have been active in the society's affairs:

There being at the present time quite a lively argument in progress among the trade as to the advantages and disadvantages to the S. A. F. of holding its convention in a city when an exposition is in progress, we would like a word from you as to whether, in the light of your long experience in the society, the holding of the convention under such surroundings is for the best interests of the society.

The following are the replies:

J. L. DILLON, BLOOMSBURG, PA.

I am not prepared to discuss this matter but I think we had a larger meeting, everything considered, at Omaha during the Trans-Mississippi Exposition than we did at St. Louis during the World's Fair in Chicago.

A. HERRINGTON, MADISON, N. J.

The advantage, as far as I can see, of holding a convention in a city that is conducting an exposition is that it affords, those who wish, an opportunity of taking in the two at one cost. There may be disadvantages arising therefrom but I have never attended a convention under such circumstances and consequently do not feel qualified to express an opinion.

GROVE P. RAWSON, ELMIRA, N. Y.

I am in favor of Buffalo and do not believe Chicago the place for holding the S. A. F. convention of 1901. The Pan-American will attract the most attention and Buffalo is more centrally located as far as the society membership is concerned. When the St. Louis convention was in progress, most of the visiting members stayed at Chicago, as I did. I like Chicago first-rate, but would prefer a visit there in 1902.

GEO. A. RACKHAM, DETROIT, MICH.

I do not believe it conducive to the best interests of the S. A. F. to hold its convention in a city in which an exposition is in progress. In the first place, it would make it impossible to secure the required attendance at the meetings, as all know who have attended the S. A. F. conventions how difficult it is to get any larger number of the members to attend the business sessions on account of counter attractions. Then, I do not think a trade exhibit in a city in which an exposition was being held would secure as many entries nor would those making the entries try to make as large displays, as no doubt the large exhibitors would also have exhibits at the exposition. Third, I do not think that anyone can successfully attend to business and pleasure at one and the same time. Chicago is the choice of the Detroit boys.

WM. WEBBER, OAKLAND, MD.

I do not see any particular advantage in having the S. A. F. meet in Buffalo during the Pan-American Exposition next year. What advantage would come, I think, would be counteracted by lack of attendance at the business sessions of the meeting. There will undoubtedly be much to see at the exposition that will be beneficial to florists, but for reasons above stated, I question the advisability of holding the S. A. F. meeting there next year.

THEO. BOCK, HAMILTON, O.

I am strongly opposed to holding our convention in a city where an exposition is in progress, because the exposition is so potent an attraction that it is impossible to hold the members together for the very purpose for which the conventions are held. I find that in a city with no exposition there is plenty of pleasure and it is all the S. A. F. can do to keep the men long enough together to look after the work of the society. Let us not make it all play and no work, please.

ELMER D. SMITH, ADRIAN, MICH.

It appears to me that the members who have the good of the society at heart will not be drawn away by the attractions offered by an exposition. As you are aware, there are a large number of members who take this time for an annual outing and believe in having a good time without entering the convention hall. Such members will not be present wherever it is held and as before stated I think the active members would not be enticed by the attractions of an exposition.

ADAM GRAHAM, CLEVELAND, O.

Providing other things are equal, I see no disadvantage in holding the S. A. F. convention in a city in which an exposition is in progress. It is possible that counter attractions might draw somewhat upon the attendance at the sessions of the society, but, on the other hand, the additional attraction of the exposition might fairly be considered as drawing many to the S. A. F. convention who, failing the added card, might not attend at all. An objection that might be raised, would be one relating to difficulty

in obtaining hotel accommodations at reasonable rates. I think, however, that American enterprise has usually been equal to the task of providing reasonably good service at fair prices in such cases, and I do not believe that such an objection would have serious weight in many minds at this time. In any case, reduced rates of travel would seem to be sufficient to counteract such a fear in most cases. Location with reference to present and prospective membership, combined with necessary facilities should, I think, rather be considered than any question of exposition or no exposition.

C. B. WHITNALL, MILWAUKEE, WIS.

Where the business of a society's convention is properly conducted an exposition in the same city is of little harm or benefit. In selecting a convention city the aim should be to equalize the traveling distance for the earnest members, as they may be distributed over the country, and in this an exposition city may have some advantage in reduced fares, but this should only be considered as a benefit for those who would attend at any place. In point of comfort an exposition city is apt to put us to a disadvantage, as the city makes every effort to obtain a crowd. The use of an exposition as a drawing card, or any other inducements foreign to our work, to attract attendance is an injury to our cause. Attendance secured by such advertising is of little value; it swells the S. A. F. treasury some but that is not the fundamental object of our meeting. The receipts in that department should be as a result of appreciative work done by the earnest workers. Numbers will be the result of successful labor but success will not be attained by securing a larger attendance through the popular attractions of an exposition. The individual interest is the fundamental basis on which the collective effort should build and the number will be the true measure of success. Sideshows may increase the gate money temporarily but render the path of true progress more obscure. Let us know our weakness that we may more intelligently study our needs.

H. A. SIEBRECHT, NEW YORK.

From my experience, I can see no objections to holding our conventions in cities where expositions are in progress. I really think that it would be an advantage, unless it were that such an exposition was held in a very large city, where a great amount of trade centers in our line of business. Then, in that case, the nurseries and places of interest in the trade might be somewhat neglected in case there was an extended trade and horticultural exhibit in such exposition.

I think that in Omaha two years ago, it was rather an advantage to the convention and to the S. A. F. in general that it was held there when the exposition was in progress, for I really think that there was more actual good work and business done in Omaha, notwithstanding the exposition, than in a good many other conventions. Now, it is my opinion, that Buffalo (no doubt this is the objective place for next year) would make an excellent place for our convention of next year, as it offers double facilities and inducements.

We go to the S. A. F. conventions, to take up matters of importance, which will advance the interests of the trade in general. We interchange facts and ideas, speak and listen and then go and see all we can; feast our eyes upon some grand exhibits and displays, whether they are directly trade exhibits or ornamental displays for competition or fame; it does not make much difference, as long as we see things that improve our minds and give us a higher standard and create for us higher ideals in our profession. But, of course, on the other hand, should there be a World's Fair or large exposition held in New York this year, the attendance at the sessions of the convention might be seriously interfered with. New York, as it is, has grand expositions every day. It is a continual exposition. And therefore, a large city like New York, Chicago and perhaps Philadelphia, for a convention and large exposition added, might not be advantageous for holding conventions therein at such times.

WM. SCOTT, BUFFALO, N. Y.

You request my opinion on the advantages and disadvantages of holding the conventions of the S. A. F. in exposition cities. First, I must say that it is very much as the old adage goes, that "circumstances alter cases." You can use good arguments on both sides, as you can in almost everything. The convention did not go to Chicago in the World's Fair year. Neither would it have been desirable. The city hotels were filled up, the people would have been widely scattered and the business of the convention would have been neglected. These objections would also apply to New York, Philadelphia and Boston, for between the sights of the great cities and the exposition attractions, the attendance at the sessions of our convention would suffer.

In cities of what me may call the second size, such as Cincinnati, Buffalo, Cleveland or Pittsburg, these objections would hardly apply. The convention at Omaha was a decided success. It was too far west to expect a large delegation from the Atlantic states, but there was a fair attendance from the east. I failed to notice that the Trans-Mississippi Exposition interfered in the slightest with the business of the convention but the exposition undoubtedly was the inducement for many of us to travel as far as Omaha. All who were there can look back with much pleasure to the visit, and yet Omaha was not an ideal city for a summer convention; it was too hot. When sweltering up a hilly street I remarked to a native, "Its pretty hot to-day, 98°; do you get so hot often?" "Well, we don't call this hot. It don't go over 103° many times during summer."

It is for the welfare of the S. A. F. that its officers and members are working, and not for the advancement of expositions, yet there is another side in that a great majority of our good members take but one week's holiday, and many make the S. A. F. convention their holiday and outing for the year. If they can take in a beautiful exposition and at the same

THE EDMUND M. WOOD BOWLING TROPHY.

A HOUSE OF RHODODENDRONS.

time attend our convention, they are glad of the opportunity. The double attraction will bring out a large attendance and, after all, it is the dues we want; we want a good audience to listen to the papers and discussions, if possible, but if we cannot get the audience, get their dues.

The experiment has not been tried of holding a convention in an exposition city in our eastern states, but I will conclude by supposing that the convention was held in Buffalo in 1901. The conditions would be these: The coolest city in the union or on the continent; a city that has the largest number of beautiful residence streets in the world; a city that is within reach of 40,000,000 people in one night's ride, brought here by twenty-three different railroads; a city that is healthful, clean and cool, whose luxurious street car service is unequalled, whose people have time to be civil and polite, for the breezes that are wafted from Lake Erie keep everybody good tempered. Twenty minutes ride from the center of the city will be the Pan-American Exposition, which, if not as large as the World's Fair, will be the most artistic, the most attractive and novel, not in electrical features, not in horticulture, not in liberal arts or amusements, in none of these alone, but in all its features the most beautiful, attractive and instructive exposition the world has ever seen. These are a few of the conditions and reasons why I think that an exposition city may, at the same time, be a good convention city, when circumstances favor it.

A House of Rhododendrons

For bold decorative effect in cut flower work the rhododendron has no rival in its season. It gives a good range of massive color, its foliage is rich and ample and its culture is of the simplest character. It suffers nothing from frequent disturbance of the roots and, given a year's rest after a season of forcing is again as good as new. There is no conjecture regarding a prospective crop of flowers, for it is all in sight before the plants are housed. Our illustration shows a house of large plants lifted from the garden and planted closely in the greenhouse bed, in full bloom during the month preceding Easter. The proprietor, James Comley, whom many of our readers will no doubt recognize as the former gardener at the F. B. Hayes estate in Lexington, Mass., stands among the rhododendrons with the serene confidence of a man who knows when he has a good thing. Cut in long branches the flowers from these plants sold well on the Boston market.

Paris.

SEEDSMEN'S DISPLAYS AT THE EXPOSITION.—WHAT AN OLD FRENCH HOUSE HAS DONE IN THIS LINE.—NOTES OF EXHIBITS AND AWARDS AT THE FIFTH SHOW.—VILMORIN'S MANY GOOD THINGS.—VISITORS FROM PACIFIC AMERICA.

The official catalogue of the exposition not having appeared, it is difficult to estimate exactly the number of exhibits made by seedsmen. Every country shows, among the agricultural products, a greater or less variety of seeds, or rather grains, but I do not think that the entries of those who are generally known as seedsmen are many, nor is this usually the case at expositions. The fact that seeds can only be staged in bags or bottles renders it difficult to make such an exhibit very attractive or striking. However, Vilmorin-Andrieux & Co., have done unusually well in this exposition. It is only fair to say that few houses have at their disposal such a variety of material, panels, models and illustrations, as has the firm in question, which can show a collection of its catalogues dating back to 1766. Vilmorin & Co. exhibit at nine or ten different places, but their leading display is made in a special pavillion bordering the Avenue de la Motte-Picquet, behind the Machinery Hall and Palais des fetes. The pavillion looks like an agricultural museum. It contains not less than eighty varieties of wheat, including many hybrids introduced by the firm; about sixty varieties of forage and agricultural plants, fifty varieties of grasses and all the leading kinds of oats, barley, rye, millet, moha, buckwheat, sorghum, fiber and dye plants, etc., grown in France. These are all shown with their straw, roots, ears or heads. Here we also find a large collection of the most interesting beans and peas, with straw, pods and roots, rendering the comparison between them very easy. But what is of special interest to seedsmen is the splendid collection of several hundred plaster casts of the leading vegetables. These casts, made of a composition which is almost unalterable, are true models not only as regards size and

color but also as regards weight of the plants they represent. The artist who makes them, and who belongs to Vilmorin's staff, gives them such an exact resemblance as to mislead many visitors. A number of other features, such as specimen charts, graphics, experiment reports, illustrations, etc., which are of educational value to the farmer as well as to the student, may be found in the pavillion. On one of the tables may also be seen a Brown bag filling machine run by electricity, which puts up papers distributed free to the visitors.

The fifth flower, vegetable and fruit show has just been opened at the exposition and the Americans, as usual, secured many first prizes for their apples and fruits. Among the winners were the New York and California commissions, the horticultural societies of Illinois, Virginia, Nebraska and Missouri, the U. S. Department of Agriculture Division of Pomology, and Patrick Gleason, of Leroy, N. Y. The display is really fine and due credit ought to be given to Mr. Taylor. Canada, too, received several first prizes. Some of your readers may ask why so many first prizes are awarded. The reason for it is that each display is judged on its own merits. If it receives the required number of points, from sixteen to twenty, it receives a first prize. I think that the New York and Illinois exhibits received the maximum number of points.

The cool weather we are experiencing is very favorable to the flowers, which are dazzling in the brilliancy of their colors, scent the air of the big horticultural palace and seem to look fresher than at the previous shows. The palace, as usual, contains some excellent groups and collections of annual and perennial flowers, roses, begonias, cannas, geraniums, orchids, cacti, etc., but which differ only in the disposition of the beds from the shows previously described.

Paillet, of Chatenay, has an exquisitely beautiful group of hydrangeas, the trusses of most of which do not measure less than twelve inches in diameter and well deserve the first prize which they were awarded. Vilmorin & Co. received the same award for a group of their single, large flowering Petunia superbissima, many of which measured over seven inches across. The same firm, which secured not less than eight first prizes at this show, staged a collection of 180 kinds of alpine plants gathered from all over the world.

The successor of Hochard, who used to be one of our best carnation growers, Mr. des Digueres, of Pierrefitte, had a remarkably good collection of carnations, and C. Beranek, Paris, showed a splendid brilliant red sort named Dr. J. Mayer and another notable variety, a pink color with red stripes, called Slovanka. Croux & Son, of Sceaux, made a novel display in grouping some standard grown gooseberries and currants among their flowering shrubs, the fruits showing well above the flowers and foliage.

At the meeting of the French Horticultural Society June 28 Vilmorin staged a collection of about twenty varieties of lobelias, notable among which were Prima Donna, red with large white eye; Magenta, red, white center, with small eye; erecta bicolor, blue and white; Crystal Palace, fine dark blue with dark foliage; speciosa superba, dark blue with light green foliage; speciosa grandiflora, large indigo blue flower and small eye, and nana compacta Kermesina, of a fresh pink color. The same firm also exhibited a collection of about half a hundred varieties of stocks, two dozen varieties of poppies, several varieties of larkspurs and a large lot of sweet peas. Their Cupids were Boreatton, Primrose, Beauty, Firefly, White and Rose. The latter (Rose) seems to be the finest variety and a grand sight when in full bloom in the fields. I expect that after a few such exhibitions sweet peas will become popular in France.

We seem to have a good many visitors from your side just now. Some come from the farthest states, Mr. Poppleton, of the Portland Seed Co., Portland, Ore., and Louis G. Pfunder, florist, from the same city, being here at present.

PARISIAN.

New York.

CONVENTION PREPARATIONS MOVING SPIRITEDLY.—MUCH ENTHUSIASM AT THE CLUB MEETING.—ASSURANCES OF A BIG HORTICULTURAL DISPLAY.—QUIET PERVADES THE MARKET.—VARIOUS NOTES OF INTEREST.

Convention enthusiasm advanced several degrees more at the club meeting last Monday evening. The attendance was large and every working committee was on hand with a cheering report of substantial progress in convention preparation. It was announced that the advertising pages in the beautiful souvenir book which is to be presented to every member of the S. A. F. will positively be closed on July 18 and that all orders for space therein must be in Mr. Weathered's hands on or before that date. On recommendation of the horticultural exhibition committee a special scale of points was adoped for use in awarding the two large cash prizes offered in the schedule. An additional 1000 schedules were ordered printed to supply the unlooked-far demand for copies and authority was given the horticultural exhibition committee, also the hall decoration committee, to employ assistants to guard and attend to the large number of valuable plants that are to be staged. A splendid show is assured in this as well as in the trade exhibition department.

Many features of the proposed entertainment of S. A. F. visitors were fully discussed and plans laid for a systematic carrying out of details. The reception committee was empowered to add the names of twenty-five ladies to their number to assist in the entertainment of of visiting ladies. Secretaries of clubs and societies and local vice-presidents of the S. A. F. will confer a great favor by reporting to Secretary John Young, 51 West Twenty-eighth street, New York city, the number of people expected to attend the convention from their vicinity. E. A. Asmus was appointed captain to manage a shooting team and Wm. Duckham was appointed a member of the award committee in place of C. H. Allen, resigned. Five new members were elected and, thirty seconds thereafter, each was duly placed on some important committee by President O'Mara, who thoroughly appreciates the dignity of labor and believes in passing it around liberally. An appreciative letter was received from F. L. Harris, of Wellesley, Mass., in recognition of his election as an honorary member of the New York club. The next meeting will take place, Monday evening, July 23.

It is hardly necessary to devote any space to the cut flower trade at the present date. Very few flowers of mentionable quality are being received at the wholesale marts and customers exist only in reminiscence. Many employes in retail and wholesale places are off on vacation and quiet and general indifference rule everything in sight.

Julius Roehrs' nephew, chief engineer of the Kaiser Frederick, was one of the heroes of the terrible Hoboken dock fire. He is credited with having saved thirty-seven lives, while the soles were burned from his shoes and the metal actually melted in his watch chain by the heat.

Arthur Taylor, brother of John H. Taylor, of Bayside, died suddenly on Friday, July 6. This affliction, following so close upon the death of Mrs. Taylor, is keenly felt by Mr. Taylor's many friends and sympathy is expressed on all sides.

W. T. Hutchins, of Indian Orchard, Mass., sailed July 11 on the New York for Liverpool to attend the bi-centenary sweet pea conference at London, July 20 and 21, at which he is to read a paper on "Sweet Peas in America."

Jos. Zahitaky was sent to the county jail for three months for stealing potted plants from the greenhouses of H. Maenner at Maspeth, L. I.

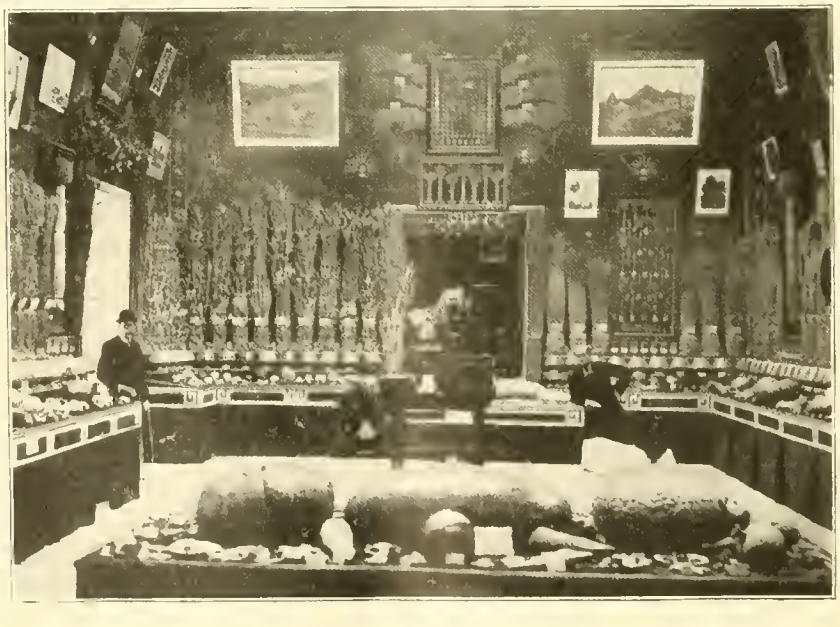

EXHIBIT OF VILMORIN-ANDRIEUX & CO. AT THE PARIS EXPOSITION.

J. V. Phillips is making a substantial renovation of his Brooklyn store and John Weir has extended his activities by the addition of a big fruit department to his Hanover Place store.

Wm. Ford is accepting, with due serenity, congratulations on the birth of a son.

E. B. Sutton is sending Scott carnations of winter excellence to John I. Raynor.

Theo. J. Lang and family have gone to Atlantic City for a short outing.

L. J. Kreshover sailed for Europe on the steamer Phœnecian July 7.

Chicago.

THINGS BRIGHTEN UP A BIT UNDER THE INFLUENCE OF COOLING BREEZES.—ROSES SHORT OF THE SUPPLY.—WHITE CARNATIONS ALSO IN DEMAND.—EVANSTON GROWERS ARE BUILDING.—REINBERG REMODELS SALESROOM.—HENDERSON COMMITS MATRIMONY.—A COAL CONTRACT AND OTHER NOTES.

This week has been more moderate as to temperature, more active as to demand and weaker in point of supply. The torridity of two weeks ago put an end to the rose crop and shipments have fallen off all at once, with the result that really good roses are not to be had and even the poorest are short of the demand. The call for Beauties and Meteors has let up a little, as most material finds its way into funeral work, in which Bride and Bridesmaid roses and white carnations are generally more serviceable. The latter are also somewhat under the demand and such fair stock as is coming in is quickly placed. Shipping trade is holding up fairly well for mid-July. Of course there are the usual quantities of garden flowers but these are little in demand and not salable in any quantity, even the street fakirs refusing to handle them. Gladioli are, perhaps, an exception to this rule and as soon as asters are available they will probably meet with sales in keeping with their quality.

Weiland & Risch broke ground on Wednesday for the addition of 50,000 feet to their range of glass at Evanston. The new houses, which will be thoroughly built, will be used for carnations, the firm now having 40,000 plants in the field, such varieties as Mrs. Lawson, The Marquis, G. H. Crane, America and Melba.

Peter Reinberg's wholesale store looked more like a carpenter shop than a flower market during the early days of this week, but things are now getting into shape again, and much better shape than ever. The whole internal economy of the place has been rearranged, affording more room and many other conveniences.

The list of those who intend going to the convention from this city and vicinity is continually growing, the latest additions being Mr. Risch, of Weiland & Risch, and C. E. Finley, of the Finley Lawn Rake Co., Joliet, Ill.

Alexander Henderson, at Vaughan's Seed Store, is receiving congratulations upon his marriage Saturday, July 7. His bride was Miss Minnie Sorenson, who until very recently was also employed at Vaughan's.

J. A. Budlong has made a contract with Hull & Company for forty-five cars of Thacker splint coal, which he figures is about his winter's supply, 1,350 tons.

L. Wassermann, of Muskegon, Mich., was a visitor this week, returning from the national democratic convention at Kansas City.

Nic Wictor started for Tomahawk Lake on Tuesday evening for ten day's fishing with a trio of friends from Rogers Park.

John Zeck is enjoying a week's vacation from his duties at Budlong's and has visited at his old home at La Porte, Ind.

Chas. Hughes, of Deamud's, is spending his vacation at his old home, Hillsdale, Mich.

The condition of C. W. McKellar's father has not improved.

Arnold Ringier is at home from his trip to the Pacific coast.

Visitors: H. E. Philpott, Winnipeg, Man.; W. A. Kennedy, Milwaukee; W. T. Bell, Franklin, Pa.

Boston.

GARDEN FLOWERS AT HORTICULTURAL HALL.—WALSH GETS A SILVER MEDAL.—BUSINESS CONTINUES SLACK.—REPORT OF PARK INVESTIGATORS.—NOTES HERE AND THERE.

Horticultural Hall was filled on Saturday, July 7, with an exceedingly fine display of garden flowers. Another big contribution of roses was brought by M. H. Walsh, for one of which, a hybrid between Wichuraiana and Bridesmaid, he was awarded a silver medal. Rea Bros. were represented by an interesting lot of hardy perennials including early blooming phloxes, E. C. Lewis by hollyhocks and Shirley poppies, W. J. Clemsen, Blue Hill Nurseries, Mrs. J. B. Lawrence and Mrs. E. M. Gill by promiscuous collections, and several young ladies by interesting tables of wild flowers. Hollyhocks, unfortunately, are a lost art in our flower shows. A few years ago superb displays were made, which are now impossible because of the fungus, for which no efficacious remedy has yet appeared.

The long-delayed report of the park investigating committee of the aldermanic board was presented on Monday of this week. It not only exonerates the park officials on every charge, but in addition compliments the commissioners, Superintendent Pettigrew and the employes for their efficiency. This, however, is nothing more than was expected. The public recognized, and the daily papers reflected their sentiments, as the investigation went on, that no more baseless and frivolous accusations were ever made against a faithful and efficient administration. Boston has every reason to feel proud of her park board and its work.

Business continues at a standstill. Roses are small generally, and badly mildewed. Carnations are of good quality for the season. Delphiniums, lilies, gaillardias, corn flowers, gypsophila and other garden flowers are seen abundantly in the retailers' windows, giving a bright show at a trifling expense. Water lilies are plentiful, even in fancy sorts, and many of the stores display a tank of them. Wholesalers are closing early regularly now.

It was announced at the July meeting of the Massachusetts Horticultural Society that arrangements had been made to send a picture of the new horticultural building to the Paris Exposition.

Wilmington's famous old tree, the Whitefield elm, has been cut down. This tree, reputed to be nearly two centuries old, measured sixteen feet around the trunk at a point two feet above the ground. It was struck by lightning two years ago and has been dying ever since.

Jackson Dawson's hybrid rose, W. C. Egan, has made a fine record as to blooming and vigor this season and has received much favorable comment from good judges of garden roses.

A. Leuthy is booked to sail for Europe on the Saxonia from Boston on Saturday, July 14.

J. M. Cohen is remodeling and refurnishing his store on Bosworth street.

W. C. Barry, Rochester, N. Y., was a recent visitor.

Philadelphia.

STATE OF THE MARKET.—NOTHING BUT POOR STOCK IN SIGHT.—NOT ENOUGH FIRST-CLASS FLOWERS TO SUPPLY A LIGHT DEMAND.—JOHN WALKER BUYS THE HIPPARD ESTABLISHMENT AT YOUNGSTOWN.—DOINGS AT CRAIG'S AND OTHER NOTES.

Oh, for some good flowers! The average flower chest has such a poverty stricken look these days that one is ashamed to switch on the current and open the door for fear the little, shrivelled up blossoms will drive his customer away. Asters, sweet peas, antirrhinums and water lilies are in fair shape, also a few Meteors and Kaiserins, but there are very few really good, even of these varieties. We hope the red Kaiserin spoken of in last week's issue will develop into something good, and the grower lucky enough to discover a pink sport would certainly have cause to be congratulated. One might ask the use of having flowers when there is no demand; there is little doing, to be sure, but the fact remains that there are not enough good flowers to supply what little call there is and even a day's notice hardly suffices to get an order together. Robert Craig is commencing to cut his Japan lilies. These will make a welcome addition to the assortment of summer stock. Sweet peas are now 20 cents per hundred; asters, $1; gladioli, $3; pink water lilies, $3; Meteor and Kaiserin roses, $4; lily of the valley is plentiful at $4.

John Walker, who has been connected with the Craig nurseries for twenty-two years, and for the past twelve or fifteen has been foreman there, is to leave Philadelphia. He has purchased the business and entire greenhouse establishment of the E. Hippard Co., of Youngstown, O. The plant contains over 60,000 feet of glass, all in good order, a number of the houses being of very recent construction. All the trade in the city feels a strong interest in the movement but there is universal regret that Mr. Walker, who has been, from his youth up, so closely identified with the business in this city, is to permanently remove. He carries away with him, however, everyone's best wishes for success in his new venture. He is eminently qualified by his long schooling and experience at one of the best establishments in the country to maintain a model and thoroughly up-to-date place. This, together with the fact that he is just in the prime of life, with an untiring energy, seems to make his success assured.

At R. Craig & Son's annex, Sixty-second and Market streets, two new carnation houses are going up. The great success of the Crocker and other choice varieties makes these additions necessary. The stock of young plants in the field is looking fine. Four entire houses here are filled with Boston ferns in various sizes, which will make tip-top plants by fall.

John Habermehl is recuperating at Atlantic City, where he expects to spend the entire summer. K.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

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No Special Position Guaranteed.

Discounts are allowed, only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

IT is the strictly high grade product which commands a sale. This is worth pasting in your hat.

WHILE western cut flower growers are very generally increasing their facilities, their new glass will be largely devoted to American Beauties and the fancy carnations.

Society of American Florists.

The following circular letter has been issued from the office of the secretary under date of July 6:

DEAR SIR:—With persistent individual effort the convention of the Society of American Florists to be held in New York city next August can be made a memorable event in American horticulture. It is the desire of President Wood that each member of the society constitute himself or herself a committee of the whole and obtain at least one new member and as many more as possible, either life or subscription.

If each member will make this effort, the strength of our organization will be greatly increased and our ability to carry forward the work of the society in the coming century will be strengthened accordingly.

President Wood also requests that each member read his remarks at the Detroit convention, upon co-operation, which were published in the last annual report of the society; also the discussion and the society's action upon this subject, and come to the New York convention prepared to act and vote understandingly upon the measures which will be presented for the future management of the co-operative department or for the organization of a corporation with capital. WM. J. STEWART, Sec'y.

Transportation to New York Convention.

It has now been definitely settled that practically all the railroads and steamship lines in the United States, as far west as Utah, have concurred in a uniform rate of one and one-third fare on the certificate plan to those attending the convention. Attention is called to the following rules, which must be followed in order to obtain the benefit of the concession:

1. Tickets at full fare for the going journey may be secured within three days (exclusive of Sunday) prior to and during the first three days of the meeting. The advertised dates of the meeting are from August 21 to August 24, consequently you can obtain your ticket not earlier than August 17 nor later than August 23. Be sure that when purchasing your ticket you request a "certificate." Do not make the mistake of asking for a "receipt."

2. Present yourself at the railroad station for ticket and certificate at least thirty minutes before the departure of the train.

3. Certificates are not kept at all stations. If you inquire at your station you will find out whether certificates and through tickets can be obtained to place of meeting. If not, agent will inform you at what station they can be obtained. You can purchase a local ticket thence, and there take up a certificate and through ticket.

4. On your arrival at the meeting, present your certificate at once to Secretary Stewart, who will return it to you after it has been duly validated.

5. It has been arranged that the special agent of the Trunk Line Association will be in attendance to validate certificates on August 22, 23 and 24.

WM. J. STEWART, Sec'y.

Greenhouse Building.

Minneapolis, Minn.—G. Monson, range of houses.

Lancaster, N. Y.—W. J. Palmer & Son, two houses.

Detroit, Mich.—J. Breitmeyer & Sons, three houses, 20x65.

Park Ridge, Ill.—John Hoeft, two houses, 20x200.

Nashua, N. H.—G. E. Buxton, carnation house, 20x135.

Cleveland, O.—G. M. Naumann, two houses, 20x100.

Nashville, Tenn.—Geney Bros., one house.

Orchard Park, N. Y.—Jerry Brookins, house 45x200.

Fort Dodge, Ia.—P. L. Larson, house 25x125.

Wilmington, Del.—A. I. DuPont, house 18x53.

North Beverly, Mass.—J. P. Potter, conservatory.

Orange, N. J.—J. Crosby Brown, conservatory.

Millbury, Mass.—A. G. Dallachie, range, of houses.

Canadian Horticultural Society.

The annual convention of the Canadian Horticultural Society will be held in Montreal on Thursday and Friday, August 16 and 17. As there is much active interest in the organization and a railroad rate of a fare and one-third has been granted upon the certificate plan, the attendance is apt to be large. The sessions will be held in Natural History Hall, 32 University street, and the programme, which is arranged in an order familiar to all those who attend the S. A. F. meetings, includes, besides the items of routine business, the following papers: Roses up to Date, J. H. Dunlop, Toronto; How to Make a Private Place Most Attractive, G. Robinson, Montreal; Public Parks and Gardens, John Chambers, Toronto; Violets, Wm. Fendley, Brampton; The Advantages of Organization in Our Business, S. S. Bain, Montreal; Herbaceous Plants, T. Manton, Eglinton; Heating and Ventilating, R. W. King, Toronto; Commercial Orchids, J. Goodier, Toronto; Carnations up to Date, Wm. Gammage, London.

President James McKenna has issued the following invitation to the florists of the United States:

On behalf of the members of the Canadian Horticultural Association, I wish to offer you a most cordial invitation to attend our third annual convention, which will be held at Montreal on August 16 and 17. I can assure you that it will give us great pleasure to fraternize with you on that occasion, and to reciprocate in the most ardent manner, the very kind hospitality that many of us have received from you, when we have had the pleasure of attending the conventions of the S. A. F. in the different cities of your great republic. You will notice that our dates have been so arranged that our meeting will not clash with your own in New York the following week. Many of us intend to be with you on that occasion, and we hope that a large number from your side of the line will make the round trip, and stay with us for a couple of days before going to New York. I will not attempt to enumerate the advantages and pleasure to be derived from such a trip. Just come and see for yourselves—and come in large numbers; we can accommodate you all.

The following Montreal hotels are in the vicinity of the hall and exhibition:

Windsor, American plan, rate $3.

Queen's, American plan, rate $2 to $3.

St. James, American, $1.50 to $2.50; European, $1.

Carslake, European, $1.

Turkish Baths Hotel, European $1; $1; American $2 to $2.50.

Avenue House, American, $1.50 to $2.50.

Oxford, American, $1.

Savoy, European, $1.

St. Paul.

DROUGHT IS BROKEN AND ALL NATURE SMILES —OUTSIDE STOCK NOW MAKING PROGRESS.—END OF A GOOD SPRING.—SEEGER COMPLETING A FINE RANGE.—STOCK TO BE GROWN.—JOTTINGS.

The long continued drought has been broken by bountiful showers and all nature again wears a smile. Many carnations that had not received a drop of rain since being planted out will now make strong plants by the end of August. Cannas that were apparently lifeless are sprouting nicely and sweet peas with drawn, pinched buds are suddenly transformed into masses of blooming vines. The spring trade has been very satisfactory in this section. Bedding plants never sold out as cleanly as they did this year, while the demand for cut flowers exceeded the supply of home grown stock. Prices have been well maintained, although some of the smaller growers cut prices early in the season, only to reduce their profits. But very few good cut flowers are now brought in.

C. Hansen is cutting a fair supply of Beauties, Testouts, Siebrechts, Meteors, Perles and Kaiserins. His damage suit against the gas company for $20,000 has been continued until the October term of court.

L. L. May & Co. are busy renovating and replanting. A new crop of Kaiserin and Meteor roses just coming in is very fine. Their stock is particularly clean and healthy as they believe in firing upon less provocation than most growers require.

R. C. Seeger is very busy building and will soon have his new range completed. When finished this will be one of the best equipped establishments in the state, consisting of seven houses each 200 feet long, varying from eleven to sixteen feet in width, in all about 25,000 square feet of glass. Several of the houses are con-

structed on the short-span-to-the-south plan. By raising the ridge high enough Mr. Seeger hopes to overcome the lack of sunlight on the north bench, which is the chief objection to this system. For summer he is growing Kaiserin, Carnot and Meteor and for winter blooming he will have Liberty, Meteor, Beauty, Bridesmaid, Golden Gate and Bride. In carnations he has G. H. Crane, White Cloud, Flora Hill, Jubilee, Triumph and Mrs. Bradt. Two horizontal tubular boilers will furnish heat to this range.

G. Monson, formerly with the C. A. Smith Floral Co., Minneapolis, is erecting a range of houses near Lake Calhoun in that city and L. Anderson, for several years with L. L. May & Co., has become foreman for the Smith Company.

The Twin City florists will picnic at Lake Park, on the shores of Minnetonka, on Thursday, July 19. An interesting programme of sports has been arranged.

FELIX.

Cleveland.

SUMMER SOLSTICE CUTS DOWN FLOWER TRADE.—PROSPECTS FOR CONVENTION PARTY.—A PICNIC PLANNED.

Business has suffered the usual summer stagnation and is now down to its lowest ebb. Flowers are poor in quality, worse than usual in some lines, by reason of the very hot and dry weather that we have been suffering.

There is to be a picnic this summer, given by the Cleveland Florists' Club, to which all members are welcome with their families, and a friend or two in addition. It is to be held at Martinitz's grounds, on the West Side, Thursday afternoon and evening, July 19. Dinner, light refreshments and music for dancing will be furnished by the club, so that those who attend may expect a good time with the minimum of trouble.

As to the convention attendance, it seems still too early to speak with any certainty, but from the present outlook the attendance from here will be from ten to fifteen. There seems no great probability of getting anything different from the usual fare and one-third. Should anything special develop in the way of a rate it will probably be made known at the next club meeting, July 22. Mr. Rackham, of Detroit, who dropped in on us lately, imparted the cheering information that they expect to take twenty-five or thirty from Detroit.

A.

Heating With a Flue.

ED. AM. FLORIST:—I have built a house 14x50, seven feet to the ridge, south span nine and one-half feet, north span eight feet; there is a two-foot plank wall on the south side of the house, which is two feet lower than the north side, where there is a four foot wall. I wish to know if an ordinary 12-inch sewer pipe tile flue running along the south side with a rise of five feet from furnace to chimney will serve to heat the house to 55° in zero weather?

MOUNTAINEER.

A temperature of 55° can be secured under the conditions mentioned but it will require frequent firing to maintain it in zero weather. Especially if coal is used as fuel, there will be danger that the tile near the arch may crack and fill the house with gas, and it will be better to construct the first twenty-five feet of brick. A better way to arrange the flue is to run it up one side of the house and back on the other side to the chimney, which should go out just above the arch.

L. R. T.

Catalogues and Cut Flower Price Lists Received.

E. H. Krelage & Son, Haarlem, Holland, wholesale bulb list; Ellwanger & Barry, Rochester, N. Y., strawberries; A. T. Ferrell & Co., Saginaw, Mich., cleaners and shipping baskets; Wm. Elliott & Sons, New York, N. Y., bulbs; Archias' Seed Store, Sedalia, Mo., seeds; Holton & Hunkel Co., Milwaukee, Wis., wholesale cut flowers; Bassett & Washburn, Chicago, Ill., wholesale cut flowers and florists' supplies.

RICHFIELD SPRINGS, N. Y.—Mrs. L. P. Seaton, who has been in business since 1895, has about 3000 feet of glass, well stocked and does a nice trade.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By practical grower general cut flowers and mushrooms. Ten years in last place. References Address FLORIST, 1613 North Clark St., Chicago, Ill.

SITUATION WANTED—By florist; 9 years' experience; cut flowers and plants; single; capable of taking charge. References. Address J H A, No. 40 Akers Ave., Johnstown, Pa.

SITUATION WANTED—By experinced florist. No 1 rose, carnation, mum and violet grower; age 38. Best references. Address G. FLORIST, No. 1 Blair St., Cleveland, O.

SITUATION WANTED—As foreman. Am a successful grower of cut flowers—roses especially. Have been 8 years at the present place. Can give references. Address L E F, care Am. Florist.

SITUATION WANTED—By practical gardener, middle aged; life time experience in growing flowers, fruits and vegetables. Also landscape work. Best of references Address F F, 5481 Kimbark Ave., Hyde Park, Chicago.

SITUATION WANTED—By salesman, at once; salery and expenses. Acquainted with all leading places, private and commercial, Boston to Florida; could also take full charge, or grower's position as florist in New England states. Send full particulars to W. L. PALMER, Redbank, N. J.

SITUATION WANTED—As foreman in a large establishment where good wages are given, by a practical man in all departments; 26 years' experience; 3 years in last place. Good references. State wages, etc. Address D P N. 249 N. Tenth St., Philadelphia, Pa.

WANTED—An experienced assistant propagator. Address EAST, care American Florist.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—Working manager on small place, general greenhouse stock, retail and commercial. Address FLORIST, Augusta, Me.

WANTED—Boy to learn the greenhouse business of the growing of cut flowers. Apply to JOHN L. WYLAND, De Haven Pa.

WANTED—Good unmarried gardener, experienced in orchids, for Chicago private place. References. Address "COMO," care American Florist.

WANTED—A florist who can grow roses, carnations, mums and general bedding stuff. Send references and wages. Address K D, care Am. Florist.

WANTED—Florist, single, German, to grow cut flowers and general greenhouse stock. Address SAGINAW GREENHOUSE, 1317 N. Michigan Ave., Saginaw, W. S., Mich.

WANTED—A single man at once, for growing roses and carnations; 5000 feet glass; steady and trustworthy. State wages and experience. S J LONG, Petoskey, Mich.

WANTED—A competent man to act as manager of 65,000 feet of glass in cut flowers. Present foreman resigns on account of ill health. Address E. HIPPARD, Youngstown, O.

WANTED—Experienced man for general green house work on retail place. State wages with or without board. References. Address MICHIGAN, care American Florist, Chicago.

WANTED—A night fireman, one who has had experience with soft coal and tubular return steam boilers. Send references, and for particulars write J. F. AMMANN, Box 51, Edwardsville, Ill.

WANTED—For a southern seed house, a practical seedsman who thoroughly understands the packet seed trade and well up on the bulk business. Address, stating salary wanted and give references to SOUTH, care American Florist, Chicago.

WANTED—At once, a sober, industrious and competent florist to take charge and do growing in two new houses, roses and carnations; single man preferred. State wages wanted and give references immediately. J. W. BERNARD, Marion, Ind.

FOR SALE—Some extra good second-hand 3-inch pipe, at 6c per foot; also some 4-inch. Secure it while it lasts. W. H. SALTER, Rochester, N. Y.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—A dwelling house of 7 rooms, green houses 18x60, 10x35 and two small ones attached to house, with about two acres of land Apply to MRS. DEAN, Holbrook, Mass.

FOR RENT—Five greenhouses and cottage in nine lots, with privilege of using two acres of ground. Rent $25.00 a month, with long lease to responsible party. O. METZ, 5525 Jefferson Ave., Chicago.

FOR SALE—Greenhouse containing 6000 feet of glass with house and barn in connection. Everything in good conditon and well stocked. One-fourth cash, balance time. FRED PLAGGE, Elgin, Ill.

FOR SALE—In A1 condition, fully stocked, 5000 feet of glass on four lots in best part of city. Well established and doing good business. Cheap fuel and no competition for sixty miles. Owner has other business and can not give personal attention. Don't answer unless you mean business Address ILLINOIS, care American Florist.

To Rent GREENHOUSE PLANT

Of 8 Houses, all in operation, situated in Iowa. Address

"IOWA," care of American Florist, Chicago.

FOR SALE Thirteen (13) Greenhouses, situated in city of Allegheny, Pa., containing twenty-three thousand (23,000) square feet of glass. All steam heated and in good running order. Will sell houses at low price and lease dwelling and land, or will sell entire plant. Possession immediately. Address J. M. REEVES, Warren, O.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE With 10 Year Lease, One of the best places in Chicago.

Modern store with fine, large show house fronting 50 feet on West Madison street, opposite Albany avenue. This is an ideal location, being in the center of the best population on the West Side. Everything is new and perfect, having been built by me, and for my own use, less than eight months ago. I also have one of the finest delivery rigs in the city. I will also lease, very cheap for 10 years, one acre of land in Oak Park and near Madison street; it is fine for growing and is now planted with outdoor stock. My health compels me to sacrifice my business and go west and if you want a fine place and a money maker, see mine; it must be seen to be appreciated.

T. J. CORBREY,
1409-1411 W. Madison St., CHICAGO.

FOR SALE

On western coast of Michigan, two lots, two greenhouses, all modern appliances, in excellent condition. Good business location. Good opportunity for energetic man. Price $2,200.00. Write for particulars.

For sale or rent, near Erie, Pa., lot 100x150, large two story dwelling and four greenhouses almost new. Good glass and well heated. Excellent business location. Price $2,000.00, easy payments. Write for particulars.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

Washington.

SUMMER CONDITIONS PREVAIL IN ALL THE STORES. — FUNERAL WORK THE SOLE RELIANCE.

Trade is quiet in general, for many of the flower buying people have left the city. If not for an occasional funeral order some of the retailers might close their stores. A. Gude & Bro. were very busy with funeral work at the first of the week. They can sell all the callas they can cut at $2 per dozen.

Most of the growers are getting their houses planted and are putting things in shape anticipatory to visiting New York next month to attend the convention of the S. A. F. N. Studer intends to make quite a show of palms and ferns in the trade exhibit.

BUFFALO, N. Y.—The Lehde family has gone into court to determine the ownership of their greenhouses at Cheektowaga. Henry undertook to remove them, then John, Amelia and Henry, Sr., sought to restrain him and he brought suit to evict them. The tangle is in the hands of a referee.

Wholesale Flower Markets

CINCINNATI, July 12.

Roses, Bride	2.00@ 4.00
" Bridesmaid	2.00@ 4.00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1.00
" fancy	1.50@ 2.00
Gladiolus	4.00
Callas	6.00@ 8.00
Stocks	2.00
Sweet peas	.25
Tuberoses	3.00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Harrisii	8.00@10.00
Asparagus	50.00

ST. LOUIS, July 12.

Roses Bride, Bridesmaid	3.00@ 5.00
" Meteor	3.00@ 5.00
" Perle	2.00@ 3.00
Carnations, common	.75@ 1.00
" fancy	1.50@ 2.00
Sweet peas	.15@ .25
Ismene Lilies	4.00@ 5.00
Smilax	12.50@15.00
Adiantum	.50@ 1.00
Asparagus	25.00@50.00
Hollyhocks	1.00
Tuberoses	4.00@ 5.00
Gladioli	2.00@ 4.00

MILWAUKEE, July 12

Roses, Beauty, medium per doz.	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	3.00@ 4.00
" Kaiserin	4.00@ 6.00
Carnations, ordinary	.50@ 1.00
" fancy	1.00@ 2.00
Auratume lilies	15.00
Adiantum	.75@ 1.00
Common ferns	.25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Sweet Peas	.20@ .25

PITTSBURG, July 12.

Roses, Beauty, fancy	20.00@25.00
" " extra	12.00@15.00
" " No. 1	8.00@10.00
" " culls	3.00@ 5.00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	2.00@ 8.00
" Perle	2.00@ 6.00
Cusin	2.00@ 4.00
Carnations, ordinary	.50@ 1.00
" fancy	1.50@ 2.00
Lily of the valley	2.00@ 4.00
Harrisii	8.00@10.00
Sweet peas	.35@ .75
Daisies	.25@ 1.00
Smilax	12.50@15.00
Gladiolus	2.00@ 6.00
Adiantum	.75@ 1.00
Asparagus	35.00@50.00
" Sprengerii	.25@ .35
Dagger Ferns	1000, $2.00
Asters	1.00@ 3.00

DENVER, July 11.

Roses, Beauty, select	20.00@30.00
" " ordinary	8.00@15.00
" Bride, Bridesmaid	4.00@ 6.00
" Meteor	5.00@ 6.00
" Perle, Wootton	4.00@ 5.00
Carnations, ordinary	1.00@ 2.00
" fancy	2.00@ 3.00
Lily of the valley	4.00
Callas	12.50
Harrisii	12.50
Sweet peas	.25@ .50
Asparagus	60.00
Smilax	18.00
Ferns	.30

Everything in the
CUT FLOWER line.

WIRE WORK, the kind that will give satisfaction.

and a complete line of **FLORISTS' SUPPLIES.**

HOLTON & HUNKEL CO.,
P. O. Box 103. Milwaukee, Wis.

When writing mention the American Florist.

CUT FLOWERS.
Shipping orders receive prompt and careful attention.
C. C. POLLWORTH CO., Milwaukee, Wis.

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PITTSBURG CUT FLOWER CO., Ltd.
504 Liberty Street, ALL FLOWERS IN SEASON. PITTSBURG, PA.

GALAX LEAVES, Brilliant Bronze or Green, $1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at market prices.
HARRY A BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

NEW CROP
CROWL FERN CO
Northern Ferns
NOW READY, 50 cts. per 1000. LAUREL FESTOONING, 4c to 6c per yard. Best goods always.
CROWL FERN CO., Millington, Mass.

BOSTON FERN ...A... SPECIALTY.
L. H. FOSTER, 45 King St., Dorchester, Mass.

ELECTROS...
For Catalogue Purposes.
WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock
Price for cash only 15 cents per square inch.
THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

....AN....
Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

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Roses ALL FLOWERS IN SEASON **Carnations**

When you want them.
As you like them.

E. C. AMLING,

Wholesale Cut Flowers,

32-34-36 Randolph St. CHICAGO.

McKellar & Winterson's
Modern Supply House.

Send for Prices on all Supplies.
Clearance Sale Now On.

Give us your order now together with your needs in
CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

Carnation Blooms
In Unlimited Quantities
SHIPPED TO ALL POINTS.
Chicago Carnation Co., JOLIET, ILL.

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We are large Growers and Shippers of CUT FLOWERS
ALL THE NEW VARIETIES.
YOUR BUSINESS SOLICITED.
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WHOLESALE FLORISTS

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BEAUTIES, ROSES, CARNATIONS.
All stock at lowest market rates. Send in your orders.
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Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, July 13.

Roses, Beauty, extra long stems		3.00
" " 30 inch	"	2.50
" " 24 "	"	2.00
" " 20 "	"	1.50
" " 15 "	"	1.25
" " 12 "	"	1.00
" " 8 "	"	.75
" Bride, Bridesmaid.		3.00@ 5.00
" Perle		3.00@ 5.00
" Meteor		3.00@ 5.00
" La France		4.00@ 5.00
" Golden Gate		6.00@ 8.00
" Liberty		6.00@ 8.00
Carnations		.75@ 1.00
" fancy		1.50
Lily of the valley		3.00@ 5.00
Mignonette		2.00@ 6.00
Harrisii		10.00@15.00
Callas		8.00@10.00
Sweet peas		.50
Adiantum		.50@ 1.00
Common ferns		.15
Fancy ferns		.20
Smilax		12.50@15.00
Asparagus		50.00@60.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO
S. E. Cor. Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt
THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS
Hunt's Flowers Go Everywhere
76 Wabash Ave., CHICAGO.

PETER REINBERG,
Grower and Wholesaler of Cut Flowers.
500,000 FEET OF GLASS.
Headquarters for American Beauty, Carnations, Blooms and Cuttings.
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J. B. DEAMUD,
Wholesale Commission Florist,
51 Wabash Ave., CHICAGO.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL
Wholesale Florist
Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,
37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.
F. F. BENTHEY, Manager.
Wholesale Commission Florist
41 Randolph Street, CHICAGO.
Consignments solicited.....

A. G. PRINCE & CO.
Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.
76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

GEO. A. SUTHERLAND. BOSTON... FLOWERS

Wholesale Depot for all Florists' Supplies.

Price Lists mailed. 67 Bromfield St., BOSTON, MASS.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

Wholesale Florists, JOBBERS IN FLORISTS' SUPPLIES

Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

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Horticultural Auctioneers.

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H. G. BERNING

Wholesale Florist,

SUCCESSOR TO

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The Cincinnati Cut Flower Co.,

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Consignments Solicited.
Special Attention Given to Shipping Orders.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

It is good business policy to mention the ...AMERICAN FLORIST when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, July 11.

Roses, Tea	1.00@ 2.00
" " extra	3.00@ 5.00
" Beauty, extra	10.00@15.00
" " firsts	5.00@ 8.00
Carnations	.25@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asparagus	.35 00@50.00
Smilax	12.5 0@15.00
Adiantum	.50@ .75
Sweet Peas	.15@ .30

BOSTON, July 1.

Roses, Beauty, extra	20.00@25.00
" " medium	4.00@ 6.00
" " culls	1.00@ 2.00
" Bride, Bridesmaid, Meteor	.50@ 3.00
" extra	3.00@ 5.00
" Kaiserin	6.0.@ 8.00
Carnations	.50@ 1.00
Lily of the valley	3.00@ 4.00
Longiflorums	4.00@ 6.00
Sweet peas	.10@ .15
Smilax	10.00@12.00
Asparagus	50.00
Hardy ferns	.20

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET, ST. LOUIS, MO.

A complete line of Wire Designs.

Please mention the American Florist when writing

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1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS,

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL

Wholesale Florist,

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

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JOHN B. FERGUSON, Wholesale Florist,

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Consignments of Roses, Carnations and Violets, Solicited.

J. M. COHEN, Florist,

Telephone 2385. CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
JUNE SPECIALTIES. Orchids, Roses, Carnations.
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Wholesale Florist,
New Telephone No. 1803 Madison Square.
43 West 28th St., NEW YORK.

WILLIAM GHORMLEY,
Wholesale Commission **Florist,**
New and Commodious Establishment at *57 West 28th St., NEW YORK.*
Prepared to handle large or small consignments of cut flowers to growers advantage. Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
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GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
....30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists,
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, July 11.

Roses, Beauty select	21.00@25.00
" " medium	4.00@ 6.00
" " culls	50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " Select	3.00@ 4.00
Carnations	.50@ 1.00
Lily of the valley	2.00@ 2.50
Sweet peas....per 100 bunches	.25@ .50
Harrisii	2.00@ 4.00
Cattleyas	20.00@33.00
Gladioli	2.00@ 5.00
Asters	1.00@ 1.50
Auratum lilies	6.00@ 8.00
Smilax	8.00@12.00
Asparagus	25.00@35.00
" Sprengeri,per doz. bunches	.75@1.00
Adiantum	.50 .75

BUFFALO, July 12.

Roses, Beauty	15.00@20.00
" Bride. Bridesmaid, Meteor	3.00@ 6.00
" Kaiserin	6.00
Carnations	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet peas per dozen bunches	.30@ .75
Harrisii	10.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

We've thousands of readers and hundreds of advertisers. Each helps the other.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. Wholesale Florist.
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE.

There Are Buyers
For all kinds of good stock advertised in.....
THE AMERICAN FLORIST

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Square.

EDW. C. HORAN,
47 WEST 28TH ST.,
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CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

PEA and bean reports from southern Michigan are favorable.

THE use of the cow pea as a forage plant in the north is increasing.

VISITED ST. LOUIS: Mr. Cole, representing D. M. Ferry & Co., of Detroit.

VISITED ST. PAUL:—H. W. Buckbee, Rockford, Ill.; A. Ringier, Chicago.

THE strike of dock laborers at Rotterdam, Holland, may affect bulb shipments.

VISITED CHICAGO: B. David, representing J. M. McCullough's Sons, Cincinnati, Ohio.

L. L. MAY and family are at their summer home, Mayfield Farm, sixteen miles from St. Paul.

ONION sets are looking well but need hot ripening weather to check the strong growth of the crops now showing.

PICTON, ONT.—John H. Allan, of the John H. Allan Seed Co., and Miss Bella Lake were married here recently, and left for Paris shortly afterward.

S. B. BEAL, who has travelled for L. L. May & Co., St. Paul, for sixteen years, met with a painful accident recently. In endeavoring to board a moving train at Longview, Tex., he slipped and the injury to his foot necessitated the amputation of two toes.

PARIS, FRANCE, June 28.—We are having just now very cool weather and were favored lately with some good showers. Unfortunately the rain came too late to benefit the radishes, of which less than one twenty-fifth of the required area could be planted. From a commercial point of view the crop may therefore be called almost a complete failure.

IN a Detroit justice court it has been decided that "immediate" means right away, and not some time within two hours. A dealer offered a carload of beans to a country customer to be accepted immediately by wire on receipt of the letter. After considering two hours the customer accepted the offer. The seller wired back that it was too late. Thereupon the country dealer brought suit for damages, but lost his case.

Indianapolis.

VARIOUS DOINGS OF THE GROWERS AND RETAILERS —A BATCH OF PERSONALITIES GLEANED BY A CASUAL VISITOR TO THE HOOSIER METROPOLIS.

George Wiegand has recently returned from an Eastern trip, having visited Buffalo, New York, Philadelphia, Boston, Newport and other points. Although on pleasure bent, he had an eye on business and what he saw in the east in the way of up-to-date florists' establishments will, with a few variations to suit his own ideas, be incorporated in the Wiegand establishment, where a force of men is now at work rebuilding the office. It will be deepened by thirty additional feet of space, and attractive show windows, a tiled floor, mirrored walls and elaborate counters will serve to make the place one of the finest in the city.

Bertermann Bros. have enlarged their plant by an additional chrysanthemum house 20x112. Business has been exceedingly good all through the season, the only cloud to their otherwise bright horizon being the absence of W. Bertermann, who after a winter's sojourn in California, has left for Carlsbad, Germany, for the benefit of his health.

Henry Rieman has rebuilt one of his houses and while at it gave his entire plant an overhauling and sprucing up. As usual Mr. Rieman will be "in it" as to chrysanthemums, first premiums generally being his reward at the shows.

Baur & Smith, the young firm located at Twenty-ninth and Senate streets, reports a far better trade than they expected. They will grow carnations largely during this coming season.

John Rieman & Co. have made some alterations and improvements about their store. Of late they have had considerable funeral work, which has kept them quite busy.

Convention talk is rife and in all likelihood the Hoosier state in general and this city in particular will be well represented at New York in August.

A. Pahud, the Crown Hill florist, has left for Paris, to be gone three months.

St. Louis.

TRADE STAGNANT. — MARKET EASY. — STRIKE ON AGAIN.—A NEW RETAILER.—OTHER NOTES.

Stock is coming in about as it did last week. Sweet peas are gradually letting up, very few being on the market at present. Gladioli and tuberoses are bringing 2 cents to 4 cents, but there is no demand worth mentioning. The street car troubles are on again.

Wm. Gibbon, a former resident of Chicago and grower of pot plants, has opened a most attractive stand at 1044 Grand avenue. Mr. Gibbon later on will grow palms and other pot plants for his own trade, but will not attempt to do anything with cut flowers, preferring to get his roses from Chicago and other stock from our wholesalers.

The Michell Plant & Bulb Company has all hands busy planting chrysanthemums, of which they have over 7,000 plants to move. They have one of the finest lots of Boston fern in the west and some very fine large pots of Asparagus Sprengerii.

J. W. Kunz is the committee of one appointed to arrange with the railroads for a rate to the convention in New York. Anyone contemplating the trip should immediately advise Mr. Kunz of the fact.

Geo. Scherer, of the Plant Seed Company, surprised his many friends last week by entering the holy bonds of matrimony.

At the club meeting on Thursday it was decided to postpone the picnic two weeks. It will very likely be on July 25.

M.

MIDDLETOWN, N. Y.—Martin Bartholomew has sold his florist business to Edwin Firkin and intends to go west and locate in Minneapolis.

CINERARIA--CALCEOLARIA--PANSY

Cineraria, James' Giant strain, the finest strain offered, per packet, 35c; ½ tr. pkt., 65c; tr. pkt., $1.00.
Calceolaria, James' Giant strain, unsurpassed; ½ trade packet, 30c; trade packet, 60c.
Pansy, Johnson & Stokes' Kingly strain, comprises all the giant sorts of merit; per packet, 25c; ½ trade packet, 30c; trade packet, 50c; per oz., $5.00.
Asparagus Sprengerii, 100 seeds, 50c; per 1000 seeds, $4.00.

Write for quotations on Early Forcing Bulbs.

JOHNSON & STOKES, SEEDSMEN. 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.

WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

NOTICE.

We are now ready to give you LOWEST estimates for FIRST-class stock of

Freesias, Harrisii, Callas, Romans Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.

Send us list and we will give figures. Address

H. H. BERGER & CO., (Est. '78) 47 Barclay St., N.Y.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN

SEND FOR PRICE LIST.

Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.

VREDENBURG & CO., Rochester, N. Y.

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Abonnement 10 M. jahrlich.

J. OLBERTZ, Bindekunst Verlag,

ERFURT, DEUTSCHLAND.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following Palms in fine condition:

KENTIA FORSTERIANA, per 1000, $4.00; 5000 to 10,000 at $3.50; 10,000 and over at $3.00.

Also CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., at $8.00 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Field Grown **CARNATIONS**

Orders booked now for fall delivery.

GEO. HANCOCK & SON, Grand Haven, Mich.

VAUGHAN'S LIST OF SEASONABLE SEEDS ...For... Florists' Use.

Vaughan's International Primula Mixture. This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the above mentioned Giant sorts, some Fern leaved, some blue; also some with dark leaves and stems. Pkt., 350 seeds, 50c; 5 pkts., (1750 seeds,) $2; per 1-16 oz., $2.50.

PRIMULA SINENSIS FIMBRIATA, (Chinese Primroses).

	250 seeds.	1000 seeds.
Alba, pure white	$ .50	$1.50
Chiswick Red, bright red	.50	1.75
Kermesina Splendens, crimson	.50	1.75
Atrosanguinea, brightest deep red	.50	1.70
Alba Magnifica snow white, of excellent form and habit	.50	1 70
Peachblossom, beautiful white with pink hue	.50	1.70
Blue, a clear sky-blue	$ .50	$1.70
New Upright Deep Velvety Red	.50	1.75
Rosea, bright pink	.35	
Mont Blanc, new, large, pure milk-white flowers	.50	
Striata, white and lilac striped	.35	
PRIMULA Mixed, a splendid variety	⅛ oz., $3.00; .25	1.25

VAUGHAN'S COLUMBIAN CINERARIAS.—This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Per T. pkt., about 1000 seeds, 50c; 3 pkts. for $1.25.

CALCEOLARIA HYBRIDA.—Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties and we know it will give entire satisfaction. Trade pkt. (1000 seeds), 50c.

VAUGHAN'S INTERNATIONAL PANSY MIXTURE.—The finest Pansy Mixture in existence, as all florists who have seen or used it can tell you. Price per oz., $10.00; ⅛ oz., $1.50; trade pkt., 50c

VAUGHAN'S GIANT PANSY MIXTURE.—For those who wish large flowers, this is the best mixture that can be had. It is composed of all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassier, and several other special strains. Price per oz., $4.00; ⅛ oz., 60c; trade packet, 25c.

For list of separate varieties, see our Florist Catalogue. Copy mailed on application

ASPARAGUS SPRENGERII, 50c per 100, $4.50 per 1000 seeds.

Bamboo Cane Stakes —Per 100, 75c; 250, $1.25; 1000, $4.00, f. o. b. Chicago.
Rose Grower Bone Meal.—The best for florists' use. It is ground fine, hence is quick acting. 50 lbs., $1.00; 100 lbs., $2.00; 200 lbs., $3.50.
Van Reyper's Glazing Points.—Per box of 1000, 60c; postage 10c extra.
Mastica.—Better than putty; per gallon, $1.25; 6 gallons, $6.50. One gallon covers 290 running feet (one side).

CHICAGO, 84-86 RANDOLPH STREET. **VAUGHAN'S SEED STORE,** NEW YORK, 14 BARCLAY STREET.

XXX STOCK

For Immediate Shipments.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world. Now ready to ship; a splendid stock of plants in four true colors, red, white, pink, and white with carmine eye, from 2½-inch pots, **$5 CO per 100; $40.00 per 1000.** 250 at the 1000 rate.

CINERARIA HYBRIDA MAXIMA GRANDIFLORA and Maxima Grandiflora Nana, strain superb in every way, from flats, transplanted, **$1.75 per 100; $15.00 per 1000.** 250 at the 1000 rate.

ALL STOCK CUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing.

ACALYPHA SANDERI

2½-inch pots, $8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

WM. MURPHY
Wholesale Carnation Grower
Station F, CINCINNATI, OHIO.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

VIOLETS From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, $2.50 per 100, $20 per 1000.

GERANIUMS, plenty of S. A. Nutt and Bruanti at $6.00 per 100; also a few mixed at same rate; 3-in. at $3.50 per 100. Mme. Saleroi, 3-in., $3.50.

ALTERNANTHERA, from flats, $2 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...OF... **ARECA LUTESCENS, KENTIA BELMOREANA, PHOENIX RUPICOLA.**

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50

2½-inch Coleus, Crimson Verschaffeltii, Golden Queen and mixed colors, $2.00 per 100.

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

SMILAX, From Pots, Ready Now.

$1.50 per 100, $15 per 1000.

Asparagus Plumosus,

From 3-in. Pots, Ready July 15th,

$6 per 100, $50 per 1000.

You will make no mistake in sending me your order; this stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

SMILAX.

	Per 100
Fine plants, 2-in. pots	1000, $8.00; 1.00
ASPARAGUS Sprengerii, 2-inch pot	3.00
ASPARAGUS Plumosus Nanus	4.00
Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea	2.00
Pansy seed, large-flowering	$4.00 per oz.

—CASH PLEASE—

JOS. H. CUNNINGHAM
DELAWARE, O.

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SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. **VIOLETS.**

WOOD BROTHERS, FISHKILL, N.Y.

Please mention the American Florist when writing.

THE VERY FINEST STOCK OF

IVORY'MUMS

$2.00 per 100, $17.50 per 1000.

2500 ready in prime condition for this and next week's plants. 2000 for later planting. Your money back if not A1.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

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the best way to make that fact known to the trade is by regular advertising in

Give it a trial. **...The American Florist.**

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AM. ASSOCIATION OF NURSERYMEN.

THEO J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

WITH THE GROWERS.

STORRS & HARRISON CO., PAINESVILLE, O.

During June and early July, that is to say, while the hardy roses are in bloom, the nurseries of Storrs & Harrison Co., at Painesville, is the Mecca to which journey the inhabitants of northern Ohio for miles around. Visiting florists are in evidence there at all seasons, but rose time is the period especially set apart when all the world and his wife take a day off and go to view the display made by fifty acres of roses all in flower, so that the eye sees little but a solid vista of vari-colored bloom. Row after row, they stretch away, big roses and little roses, all sorts and kinds, climbing, creeping and bush, grafted and own root, anyway you want them, every known variety, and some you never heard of, in practically any quantity you want. They make a sight never to be forgotten. To enjoy them one season is to make certain that you will be on hand again another year to see such a sight as probably can not be seen anywhere else in the United States and in few places outside.

Robert George was kind enough to abandon his multifarious duties and responsibilities long enough to show the writer over as much of the establishment as one can see in half a day, and so those things here set down were seen under expert and exact guidance. Naturally we went first to the roses. The establishment in the past two years has handled over 900,000 hybrid roses alone, consisting, naturally, for the greater part of such sorts as Ulrich Brunner, Magna Charta, Paul Neyron and Anne de Diesbach. In looking over the hundreds of other sorts, one notices a few that make him wonder why they are not better known. There is, for instance Rhodocanachi, a beautiful, low-growing clear pink variety, the plants of which were literally covered with beautiful flowers. This variety was recommended to Mr. George by John Thorpe, so it ought to be good.

Silver Queen is a beautiful light pink, but unfortunately not a good forcer. Clio is about the same in color, a fine flower and good forcer. For a fine cherry red that blooms steadily through the summer, Tom Wood commends itself on sight. Countess of Londonderry, that grand sort, with its fine, robust habit and huge flowers of leather-like texture, should not be forgotten. Margaret Dickson, of the white varieties, is a leading sort and is certainly beautiful. Eugene Furst is one of the finest and most vigorous growing dark red roses that the writer has ever seen, although Prince Camille de Rohan, as grown in Painesville, is noteworthy. One of the things that strike the observer most forcibly is the magnificent growth that nearly all the varieties make. Whether this is due to soil, climate or care deponent saith not, but the fact remains as stated.

One would, perhaps, suppose from the above that roses absorb a great part of the firm's attention. Far from it. Twelve hundred acres of land require far more than a few hundred thousand roses to occupy the ground. Among other items that Mr. George mentioned I caught figures like these: The firm employs from 250 to 400 men, according to the season, part outside, the balance in the greenhouses, of which there are forty-four, covering about 100,000 square feet. At this season some of the houses are empty, although many are either full or being filled, the stock being now largely palms, including three or four houses of very fine kentias in all sizes, besides other houses of arecas, latanias, ficuses, pandanuses, Boston ferns and small material for ferneries. The houses are either all new or are in process of rebuilding, with cypress lumber, the benches being largely tile, with iron frames. The houses rebuilt this season have the Garland iron gutter. The tiles used are the ordinary square building tiles, which are split lengthwise before being burnt. They make a fine, durable bench, and are not tight enough to become sour. The propagating houses, or rather three of them, are now being filled with cuttings of hardy shrubs, such as Hydrangea paniculata, viburnums, weigelias, spiræas and others. These houses, each 20x175 naturally hold a good many thousand cuttings. All that I can recall as to figures in that line was a batch of 60,000 hydrangeas that Mr. George pointed out.

In speaking of this part of the establishment, probably the packing and storage shed, a magnificent, new, brick structure covering an area 120x180 feet, should at least be mentioned. During the shipping and storage season this building is jammed to the roof with stock. After many years of argument with the Lake Shore railroad, which runs through the nursery, the autocrats of the railway have furnished a switch into the grounds that will save a haul of over two miles for all stock and supplies, no small item when one thinks of it.

One very large feature of the business is the department devoted to hardy perennials of all sorts. This, in fact, is one of the principal features, many acres being given up to it. The use of this class of stock is on the increase very rapidly, and during the past season, everything available in that line has been completely sold out. There is not space here to make extended mention of the fruit tree department nor of the section devoted to hardy ornamental trees and coniters of all descriptions, although a large part of the fame of the establishment is founded upon the record it has made in these lines. It would be quite impossible to say how many hundred thousand apple, pear, peach and other fruit trees there might be, but the writer saw, among other large plantings, one lot of one-year pear trees covering about twenty acres, fields of peach trees over thirty acres in extent and other things, plums, grapes and so forth, on an equally large scale. And should you visit the establishment at the proper season, do not fail to find the way to a certain little gooseberry patch that the writer knows of. Mr. George can furnish directions.

A.

THE STORRS & HARRISON CO., Box 935, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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At the NEW YORK HOTEL you are but two minutes' walk from the Exhibition Building. Large, light and well-ventilated rooms, one dollar per day and upward. Popular priced Restaurant. Special rates to Florists. Write early for accommodations.

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For Fall Delivery.
FIELD GROWN ROSES, CLEMATIS,
Ornamental Shrubs, Twining Shrubs, Etc.
JACKSON & PERKINS CO., NEWARK, NEW YORK.

J. Austin Shaw is now representing us in Iowa and the west. Letters will reach him addressed in care of Great Northern Hotel, Chicago.

Send to THE MOON Company
For Your { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO., Morrisville, Pa.

VEGETABLE PLANTS.

	Per 1000
CABBAGE, Flat Dutch and others	$1.00
CAULIFLOWER, E. Early Snowball	1.50
PEPPERS, Bullnose Ruby King	1.50
BRUSSELS Sprouts	1.00

All Fine, Large Plants, Ready to Plant Out.
J. C. SCHMIDT, - Bristol, Pa.

ASSORTED FERNS
In Flats,
Ready for Potting, $2.00 Per Flat.
Ampelopsis Veitchii,
Pot Grown, $6.00 Per 100.
BOBBINK & ATKINS
RUTHERFORD, N. J.

Large Elms.
25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.
SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

BEGONIA GLOIRE DE LORRAINE
Plants from 2-inch pots,
$2.50 per dozen; $17.50 per hundred.
Money Order Office, Chestnut Hill, Sta. H. Philadelphia.
EDWIN LONSDALE, Wyndmoor, Montgomery Co., Pa.

Chrysanthemums 765 Robinson, 665 Ivory, 635 Merry Monarch, 130 Bonnaffon, 75 Helen Bloodgood, 150 Lady Playfair, 200 Yellow Queen, 125 Lager 65 Trophy, 55 Kath, from 2 and 2½-in pots, $1 50 per 100, $12 50 per 1000 500 mixed, $5 00, cash The lot for $36 00. H. DANN & SON, Westfield, N. Y.

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St., CHICAGO.

LAKEVIEW ROSE GARDENS,

Wholesale Growers,

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR **Cut Flowers.**

Chrysanthemums.

Now is the time to plant them. We offer extra fine, vigorous plants from 2 and 2½-in. pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY.	Per 100	MIDSEASON.	Per 100
Ivory	$3.00	Major Bonnaffon	$3.00
M. Henderson	3.00	Wm. Simpson	3.00
Geo. S. Kalb	3.00	V. Morel	3.00
Merry Monarch	3.00	G. W. Childs	4.00
Willowbrook	4.00	H. W. Longfellow	3.00
M. de Montmort	3.00	Mrs. Murdock	3.00
Mrs. J. Whilldin	3.00	Mrs. T. L. Park	6.00
John K. Shaw	5.00	Black Hawk	4.00
Golden Trophy	3.00	Mrs. C. H. Pierce	3.00
Glory of the Pacific	3.00	Mrs. H. Robinson	3.00
		Niveus	3.00

LATE.	Per 100	LATE.	Per 100
Mrs. J. Jones	$4.00	Nagoya	6.00
Liberty	4.00	Xeno	6.00
Merry Xmas	4.00	Adula	3.00
Autumn Glory	3.00	Harry Balsley	3.00
E. Dailledouze	4.00	Mrs. Baer	8.00
Golden Wedding	4.00		

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

BUY NOW

PROPAGATING STOCK for Next Year.

	In. pots	Doz.	100
New Hibiscus, Peachblow, double pink flowers	2½	$1.00	$8.00
New Ageratum, Stella Gurney, dwarf blue	2½	.75	5.00
New Salvia, St. Louis, extra large flower spikes	2½	.75	5.00
New Silver-Leaved Geranium, Wm. Langguth dbl. red flower	2½	1.50	10.00
Acalypha Sanderi (chenille plant)	3	1.00	6.00
New Rose, Evergreen Gem strong	2	1.00	8.00
New Rambler Rose, Helene	2½	1.00	8.00

BOSTON FERNS. We have the largest and finest stock in the West. All well-grown, bushy plants in all sizes. Write for prices.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Begonia Rex,

EXTRA FINE STOCK IN GOOD ASSORTMENT,

From 2½-in. pots, ready for 4's, $6 per 100.

Asparagus Sprengerii and Asparagus Tenuissimus,

Strong, from 2¼-in. pots, $3.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

ASPARAGUS PLUMOSUS NANUS

Ready Now for Shipment

Extra fine stock from 2½-in. pots, **Per 100, $5.00; Per 1000, $40.00.**

Also a grand stock of **CHINESE PRIMULA PLANTS,** from selected large flowering strains, READY NOW.

	Per 100	Per 1000
Seperate colors, semi-double flowers, 2½-in. pots	$5.00	$40.00
Seperate colors, single flowers, 2½ " "	4.00	35.00
All colors mixed, 2½ " "	3.50	30.00

Terms Cash with order or satisfactory reference. Address

S. ALFRED BAUR. Successor to Henry A. Niemeyer, **ERIE, PA.**

XXX SEEDS.

CHINESE PRIMROSE.

Finest large flowering fringed, single and double, fifteen varieties, mixed, 500 seeds, $1.00; ½ pkt., 50c. Chinese Primrose plants ready in August; of the very finest varieties; singles, $2.00 per 100: doubles, $3.50 per 100.

PRIMULA OBCONICA GRAND. HYBRIDA.

The very finest of the improved Hybrid Obconicas, large flowering and choice colors, truly grand, 100 seeds, 50c.

CINERARIA GRAND. NANA.

The finest large-flowering dwarf varieties, very showy, in choicest mixture; 1000 seeds, 50c.

PANSY, FINEST GIANTS.

The finest large-flowering varieties to be had, best colors and strong growing, mixed; 3500 seeds, $1.00. A packet of the grand new Forget-me-not "Triumph" added to every order.

THE HOME OF PRIMROSES. **JOHN F. RUPP, Shiremanstown, Pa.**

LIBERTY

THE BEST RED ROSE TO DATE.

.....CLEAN 4-INCH STOCK.

100 Plants, $75; 50 Plants, $40; 25 Plants $22.50; 12 Plants, $12. Stock Limited.

A. S. MacBEAN, = = = Lakewood, N. J.

Choice Pot Plants, 1c Each

We wish to give our customers the benefit of very low prices for a short time.

Geraniums, the choicest, most desirable varieties to be had, true to name. Bruanti (best semi-double scarlet), S. A. Nutt, Athlete, White Swan, La Favorite, Mrs. J. M. Garr (best single white), Beaute Poitevine, American Wonder, Mrs. E. G. Hill, Mme. Bruant and others, $2.00 per 100, strong 2½-in.; Rose Geraniums and Mme. Salleroi, 1c each, strong 2-in.

Petunias, double fringed, in full bloom, Henderson's and Dreer's latest superb sets, strong 2-in. 1c each; really worth $1.00 per doz.

Fuchsias, choicest sorts, strong 2-in., $1.50 per 100; fine 4-in., full bloom, at 6c; 2½ and 3-in. at 2c.

Coleus, elegant named varieties, all beauties, 1c each, strong 2 and 2½-in.

Ageratum, Princess Pauline (latest blue), strong 2-in., 1c.

Salvias, 1c.

Asters, Giant Comet (true) in pure white and lavender, pink and white, strong 2-in., 1c. Plant in bench, they'll pay.

Roses, fancy extra select Brides, Perles and Maids, 3-in., 4c; the same in 2½-in. pots, including Meteor, 3c; Kaiserin, Wootton, Golden Gate, Belle Siebrecht, strong 2½-in., 4c.

Smilax, extra strong, 2-in., as fine as you could wish, $1.50 per 100, $12.50 per 1000.

CASH WITH ORDER

SOUTH SIDE FLORAL CO., Springfield, Ill.

A good adv. in a good paper will bring good returns.

1500 N. Cordata Compacta,

In 2-in. Pots, Strong Plants, at $3.00 per Hundred.

Also Strong Plants from Bench, at $2.00 per Hundred.

CHAS. SCHWEIGERT, Niles Center, Ill.

Please mention the American Florist when writing.

Imperial Violets,

Longest stems, largest flowers, darkest in color, A1 stock, fine large plants, $5.00 per 100, $45.00 per 1000.

M. LOUISE, LADY CAMPBELL,

$2.50 per 100, or $20.00 per 1000.

CASH WITH ORDER, PLEASE.

VAN AKEN BROS., Coldwater, Mich.

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NOVELTIES IN PLANTS

That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr Peter Barr's New White Lupin The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea Send for Catalogue of Novelties.

Always in quantity—Asparagus Sprengeri, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At Chicago.

George Asmus and John Degnan have arranged a match of five games. Asmus is rated very high and has conceded Degnan 100 points on the contest. The following games were rolled on Friday evening, July 6:

Player	1st	2d	3d	4th	Av
E. F. Winterson	154	170	230		185
Geo. Asmus	195	175	174	160	176
J. S. Wilson	163	162	142		156
Chas. Balluff	157	158	124	179	155
Fred. Stollery	155	162	132		150
John Degnan	122	166	144		144
P. J. Hauswirth	136	120	156		137
Walter Kreitling	124	149	132		135

At Detroit.

The following is the score made July 9:

Player.	1st	2d	3d	4th	5th	Av
Watson	177	148			161	162
Pantke	152	179	118	167	192	162
Flowerday	183	127				155
Ferguson	146	150	161	167	153	155
Breitmeyer	136	149	109	187		145
Holznagle				163	114	139
Dunn	124	181	123	118	113	132
Sullivan	128	118	142			129
Ringier		141	110	123		125
Pickworth	136	137	126		89	122
Norman		89	115	129		111
Knope	119	105	96			107
Reynolds		98				98

S.

At Philadelphia.

The first of the contests on outside alleys for places on the convention team was rolled July 11. The score follows:

Player	1st	2d	3d	Total
Harris	147	163	143	453
Westcott	138	165	117	420
Watson	142	124	107	373
Moss	192	134	146	472
Connor	162	162	151	475
Gibson	152	97	105	354
Player	**1st**	**2d**	**3d**	**Total**
Baker	146	117	108	371
Anderson	166	163	185	514
Mooney	125	141	159	425
Kift	156	101	143	400
Johnson	156	181	140	477
Walker	169	141	134	444

The following are the averages on the club alleys for the month of June:

FLORISTS.

Moss	165	Gibson	148
Harris	157	Baker	145
Kift	154	Walker	144
Anderson	152	Connor	138
Westcott	149	Craig	136

ASSOCIATES.

Hamilton	184	Fallon	126
Johnson	168	Lamb	124
Mooney	165	Bonsall	124
Moore	163	Reber	124
Kuestner	157	T. C. Brown	122
Allen	154	McKarraher	117
Goebel	152	Barrett	116
Archer	151	Fletcher	116
Peterson	146	Stoneham	111
Barnes	139	Shields	92
Ermerman	129		

K.

The Queen of Edgely Trophy.

The Florists' National Bowling League is the recipient of the very handsome trophy illustrated on this page, the donor being the Floral Exchange, of Philadelphia. The trophy is thirty-two inches in height, beautifully wrought, and is to be known by the name of the new pink sport of American Beauty, the Queen of Edgely. The cup is given to the bowling league without reserve, the only stipulation being that it shall be won twice before becoming the property of any club.

THE QUEEN OF EDGELY BOWLING TROPHY.

At New York.

The New York bowlers were honored with a visit from the Flatbush team on Monday afternoon, July 9. Four alleys were necessary to accommodate the crowd in attendance and it was a very enjoyable time, brought to a close only by the arrival of the hour for the monthly meeting of the New York Florists' Club. The crack bowlers are improving their averages and visions of silver cups haunt their dreams, while the Philadelphia spectre's stature grows smaller and smaller as the weeks pass on. Monday's scores were as follows:

Player	1st	2d	3d
O'Mara	180	155	190
Burns	157	138	166
Marshall	189	127	178
Thielman	154	176	148
Manda, W. A.		150	
Plumb		122	
Wallace	111	100	
Young, J.	110	112	
Butterfield	131	90	
Weeber	56	98	
Stewart	95	124	
Donlan	110	128	
Miller	121	128	
Riley	144	145	
Schmutz	100	102	
Thennis	87	102	
Dailledouze, F.	173	145	
Dailledouze, P.	122	107	
Zeller, A.	144	165	

Roses for Florists

OUR Rose Plants are all grown for the trade. We do not grow cut flowers. Such plants, we claim, are well worth more money than ordinary *surplus* stock.

Our Roses are all shifted from 2-inch pots and equal to most stock usually sold as 3-inch.

	2½-in., per 100	3½-in., per 100
American Beauty	$6.00	$12.00
Brides	3.00	8.00
Bridesmaids	3.00	8.00
Perles	3.50	9.00
Kaiserin	4.00	10 00
Meteor	3.00	7.00
Wootton	5.00	
Golden Gate, 2-in.	3.00	
Sunset	4.00	10.00

Bedding Roses, in 2-in. pots, strong stock, in variety, $2.50 per 100, $20 per 1000.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

ROSE PLANTS

METEOR, BRIDESMAID, BRIDE, LA FRANCE, PERLES — From 2½ and 3-in. pots, Per 100, $3.00; 1000, $25.00.

AMERICAN BEAUTY, 3-inch pots, per 100, $5.00; per 1000, $45.00.

AMERICAN BEAUTY and LA FRANCE, bushes headed in open ground, per 100, $2.50; per 1000, $20.00.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

LEADING CHRYSANTHEMUMS.

White—Ivory, Midge, Bergmann, Robinson, Wanamaker, Kalb, Woodford, Jones, Independence, Weeks, Frank Hardy; **Yellow**—Golden Trophy, Henderson, Johnson, O. P. Bassett, Whildin, Modesto, Yellow Queen, Bonnaffon, Lincoln, Sunderbruch; **Pink**—Montmort, Glory de Pacific, Morel, Perrin, Murdock; **Bronze**—Chas. Davis; **Red**—Geo. W. Childs; Lottie Berry, out of 2½-in. pots, $2 per 100, $18 per 1000.

Also **White**—Lady Fitzwygram, Mayflower, Chadwick and Western King; **Yellow**—Golden Wedding, Yellow Jones, H. W. Rieman; **Pink**—Autumn Glory; **Red**—Defender, Schrimpton; **Bronze**—Lady Hanham; 2½-in. pots, $2.50 per 100, $22.50 per 1000; 500 or more at 1000 rates.

ROSES, Brideemaids and Brides, 3-inch, $4 per 100, $35 per 1000; ready for benching. Meteors, 2½-inch, $2.50 per 100.

Terms cash, or will send C. O. D.

POEHLMANN BROS., Morton Grove, Cook Co., Ill.

WANTED!

100 NIPHETOS ROSE PLANTS

GEO. F. BRAYBON, Kent, Ohio.

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

ROSE PLANTS

	Per 100	Per 1000
AMERICAN BEAUTY - - -	2½-in. $5.00	$45.00
METEOR - - - - - - - -	" 3.00	25 00
BRIDE - - - - - - - -	" 3.00	25.00
BRIDESMAID - - - - - - - -	" 3.00	25.00
PERLE - - - - - - - -	" 3.50	30.00
AMERICAN BEAUTY, lifted from benches - - -		35.00

AT STOCK. BEST IN MARKET.

WIETOR BROS.,

51 Wabash Ave., CHICAGO, ILL.

ROSES

Choice, well grown, clean, healthy stock, just right for planting.

70 BRIDE, 4-in. pots, grafted	$10.00 per 100.
900 MAID, 4 " " "	
300 METEOR, 3-in. pots	5 00 "
275 LADY DOROTHEA, 3-in. pots	6.00 "
200 PERLE	2-in. pots, $3.00 per 100, $25.00 per 1000.
500 BRIDE	
500 MAID	

L. L. MAY & CO., St. Paul, Minn.

40,000 FIRST QUALITY FORCING ROSES.

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

WOOTTON, LA FRANCE, AMERICAN BEAUTY, GOLDEN GATE, 3-inch pots, $8.00 per 100 4-inch pots, $12 00 per 100.

METEOR, KAISERIN, SAFRANO, BRIDESMAID, BON SILENE, MERMET, PERLES, MAID OF HONOR, MME. HOSTE, BRIDE, 3-inch pots, $7.00 per 100. 4-inch pots, $10.00 per 100.

CRAFTED ROSES—Maid of Honor, Golden Gate, 3½-inch pots, $15.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY, four-inch, selected, $15.00 per 100. LIBERTY, four-inch, $75.00 per 100. MAID, BRIDE, PERLE, 3½-inch, $8 00; 4-inch, $10.00. Also SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, GRAFTED BRIDE, $20.00 per 100, large 4-in. ASPARAGUS PLUMOSUS, all sizes. MARIE LOUISE VIOLETS, SMILAX.

A. S. MacBEAN, LAKEWOOD, N. J.

ROSES

GOLDEN GATE, thrifty stock, from 2½-inch pots, $4.00 per 100, $35.00 per 1000. BRIDESMAID, $3.00 per 100, $25.00 per 1000. A few hundred PERLE, from 2½-inch pots, $3.50 per 100.

PHOENIX CANARIENSIS, from 5 and 6-inch pots, $3.00 per dozen, $20.00 per 1000.

WM. B. SANDS, Lake Roland, Baltimore, Md.

To Clear the Benches

ROSES, 3-in., at $3.00 per 100. 400 Maids, 200 Gates, 125 Woottons, 125 White LaFrance, 50 Kaiserin.

ROSES, 2¼-in. and second size 3-in. at $2.00 per 100. 300 Maids, 250 Gates, 200 Perles, 100 Kaiserins, 75 Carnots, 50 Woottons, 50 White LaFrance.

100 ADIANTUM CUNEATUM, 4, 5 and 6-in. pots, fine. The lot for $10.00.

50 SELAGINELLA EMILIANA, 2¼-in., ready for a shift, at 4c each.

CASH WITH ORDER.

JOS. E. BONSALL, Salem, Ohio.

ROSES

Strong and Healthy, From 3½-in. pots, $5 PER 100.

Perles, Brides and Maids.

H. E. WILSON, 134 Hayward Pk., ...Rochester, N. Y.

It is good business policy to mention the ....American Florist when you write to an advertiser

7,000 SURPLUS ROSES

Vigorous and healthy clean stock, from selected wood, grown in bright sunlight and full air. Price $6.00 per 100.

Varieties: Hoste, Perle, Sunset, Bride, Maid, Meteor, Golden Gate, Gontier.

P. R. QUINLAN AND CO., SYRACUSE, NEW YORK.

Please mention the American Florist when writing.

GRAFTED BRIDES, MAIDS, A No. 1.

		Per 100
Grafted Brides and Maids	4-in. pots,	$15.00
" " " "	2½ "	9.00
Meteors	4 "	8.00
"	3 "	6.00
"	2½ "	4.00
Perles and Sunsets	4 "	8.00
" " "	3 "	6.00
Smilax	3 "	3.00

Chris. Hansen, St. Paul, Minn.

Buffalo.

QUIET PERVADES THE MARKET.—STOCK GOOD BECAUSE OF RECENT RAINS.—VISITS TO GROWERS.—VACATION NOTES.

Decided quiet has prevailed since the Fourth. Carnations and peas are good, the latter particularly so, thanks to the delightful rains which have given all outdoor stock new life.

This is the period for summer outings. Mr. and Mrs. W. F. Kasting are at Crystal Beach; S. A. Anderson and wife are at the Canoe Club and J. H. Rebstock and wife are at their summer home near Crystal Beach.

Wm. Scott took a trip to Jamestown last week to see the Lakeview Rose Gardens. Summer stock is good there. On another day Scott and Andy Adams journeyed out to Christensen's to look at his new houses. While they were there a test was made of his new water tank, which was constructed by the Aremotor Co., Chicago, and is doing its work well.

S. A. Anderson has been entertaining Richard Ludwig, superintendent for A. N. Pierson, of Cromwell, Conn. Mr. Ludwig is very much pleased with Buffalo.

Mrs. D. Newlands has started work on her new greenhouses on Delavan avenue, opposite the entrance to Forest Lawn Cemetery. The houses will be completed by September 1 and will be well adapted for her business.

Jerry Brookins has everything ready for his new houses at Orchard Park and R. C. Avery is remodeling his range at West Seneca.

J. Bernhart Wiese, of the Chippewa market, has about completed arrangements for a new house, exclusively for palms, at his new home on Humboldt Parkway.

All the stores, now close at 6 o'clock and everybody is happy. W. A.

ELKHART, IND.—R. Hoffman, who recently sold out to Hugh Hills, of Baraboo, Wis., is planning a trip to Germany and the French fair, after which he will return to this country and engage in business at Cleveland, his former home.

Rose Plants.

	Per 100	Per 1000
METEOR, 3½-inch pots	$5.00	$40.00

Potted and repotted four times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.

3000 2½ & 3-in. BRIDES-3000 2½ & 3-in. MAIDS
500 2½ & 3-in. METEORS

All at $3.00 per 100, $25.00 per 1000.

Stock in good healthy condition. Order now.

FREY & FREY, LINCOLN, NEB.

Maids, Brides and Perles

10,000 strong, healthy plants, in perfect condition to plant. No finer stock on the market.

3-inch Stock.	Per 100	Per 1000
BRIDES	$4.00	$35.00
MAIDS	4.00	35.00
PERLES, extra fine	6.00	50.00
2½-inch Stock.		
BRIDES	3.00	25.00
MAIDS	3.00	25.00
PERLES	4.50	40.00
METEORS	2.50	

Samples sent if stamps for postage accompany request. This stock is worth more money than we ask for it, and will give you satisfaction.

W. H. GULLETT & SONS, Lincoln, Illinois.

ROSE PLANTS.

	Per 100	Per 1000
Am. Beauty, 2½ inch pots	$5.00	$45.00
3 " "	6 00	55.00
Kaiserin, 2½-inch pots	3 00	25.00
" 3 " "	4 00	35.00
Golden Gate, 2½-inch pots	4.00	35.00
Bride, Bridesmaid, Perle, Meteor, 2½-inch pots	3.00	25.00
" " " " 3 " "	4.00	35.00

PETER REINBERG, 51 Wabash Ave., ...CHICAGO.

FORCING ROSES

THIS IS NOT SURPLUS STOCK, IT HAS BEEN GROWN ESPECIALLY FOR WINTER BLOOMING, AND WILL GIVE SATISFACTION TO THE MOST CRITICAL BUYERS.

		Per 100
AMERICAN BEAUTY	3-in.	$7.00
BRIDE	3-in.	4.00
BRIDE	4-in.	6.00
BR. DESMAID	2½-in.	3.00
BRIDESMAID	4-in.	6.00
PERLES	3-in.	4.00
METEOR	2½-in.	3.00
MME. C. TESTOUT	2½-in.	$3.00
GOLDEN GATE	2½-in.	3.00
GOLDEN GATE	3-in.	4.00
MAID OF HONOR	2½-in.	3.00
MAID OF HONOR	3-in.	4.00
SOUV. DE WOOTTON	3-in.	4.00

Also a fine stock of **Maidenhair Ferns.** **Adiantum Cuneatum,** 3 in., 75c per doz., $5 per 100.

Terms. CASH WITH ORDER. Address

Forest City Greenhouses. **H. W. BUCKBEE, ROCKFORD, ILL.**

LAST CALL! 6000 METEOR ROSES

FROM 2½-IN. POTS.

This stock is A1 in every respect and as good as any we have sent out, which has given general satisfaction.

J. A. BUDLONG, 37-39 Randolph St., CHICAGO.

ROSES

	2½-inch. Per 100	2½-inch. Per 1000	3-inch. Per 100	3-inch. Per 1000
Brides	$3.00	$25.00	$5.00	$45.00
Maids	3.00	25.00	....	.....
Cloth. Souperl	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty	....	.....	8.00	75.00

	Per 100	Per 1000
Mixed Jardinier Ferns, mostly pteris varieties	$3.00	$25.00
Asparagus Sprengerii, 2½-in.	4.00	35.00
" Plumosus, "	6.00	55.00
Adiantum Farleyense, fine stock, 6-in. pots, 50c each		
		Per 100
Smilax, 3-inch		$ 4 00
Dracæna Terminalis, 4-inch		15.00
Phœnix Canariensis, elegant stock, 4½ to 5-inch		20.00
Chamærops Excelsa, 5-inch		25 00
" " 4 "		20.00

J. B. HEISS,
The Exotic Nurseries,
DAYTON, O.

20,000 ROSES

Am. Beauties in 3-in. $7.00 per 100; $65.00 per 1000; 3½-in. $8.50 per 100; $75.00 per 1000. Kaiserin and Golden Gate, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $5.00 per 100; $45.00 per 1000. Perles, 3-in. $3.50 per 100; $30.00 per 1000; 3½-in. $4.50 per 100; $40.00 per 1000. Brides, Bridesmaids, Meteors, Mme. Garrett and a few Mermets, 3 in. $3.50 per 100; $30.00 per 1000; 3½-in. $4.50 per 100; $10.00 per 1000. These are fine. Send for sample. Cash with order. **Mrs. J. W. Crouch, Chattanooga, Tenn.**

Roses to Close Out

METEORS in 3 and 2½ in. pots.
LA FRANCE in 2½ pots.
BELLE SIEBRECHT in 2½-in. pots.
MAIDS in 2½ and 2-in. pots.
BRIDES in 2½ and 2-in. pots.
PERLES in 2-in. pots.

We believe in shifting young roses often. All stock offered in 2½-inch pots has been shifted from 2-in. and is equal to most stock advertised as 3-in., and when we send it out is well established.

BOSTON FERNS,

Ready for 5-inch pots. WRITE US.

GEO. A. KUHL

PEKIN, ILL.

Send $1.00 for samples of what you want.

ROSES

Clean, Healthy Plants, from 3-in. Pots.

Perle, Sunset, Wootton, Meteor, Albany, Kaiserin and LaFrance, $6.00 per 100.

Bride Maid and olden Gate, $4.00 per 100.

Perle, Wootton, Bride, Maid and Golden Gate from 2-inch pots, $2 50 per 100.

TERMS CASH.

JOSEPH HEINL, JACKSONVILLE, ILL.

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Added in the edition for 1900 are lists of the gardeners or superintendents of private estates, experiment station horticulturists, landscape architects and horticultural supply concerns.

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AMERICAN FLORIST CO.

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Omaha.

BUSINESS SLACKS UP AND FLORISTS HAVE TIME TO PLAN PICNICS.—HAIL DOES SOME DAMAGE.—NOTES.

On July 6 there was quite a heavy hail storm north and northwest of Omaha and some damage was done at A. Donaghue's and Hess & Swoboda's.

As business is now dull we have more time to spare and the club has voted to have a picnic at Krug Park on July 20. As over $30 has been contributed for prizes, the various games are sure to be full of interest.

Omaha now has a first-class bowling alley, as good as is to be found anywhere, and as there is no saloon in connection its gets the support of some who would not visit it otherwise.

John Simmons, one of our oldest florists, died recently after a protracted illness. He retired some fourteen years ago but was widely known and popular.

J. N. Craig, superintendent of Forest Lawn Cemetery, has been appointed a member of the park commission.

GRIPPE.

MUSCATINE, IA.—The George Kranz place, recently occupied by August Schmidt, has been sold and the stock closed out.

Finley Rotary Lawn Rake.

Something New.

"PAPA! WE CAN RAKE YOUR LAWN."

THIS IS A CUT SHOWING THE FINLEY LAWN RAKE IN OPERATION

The mower and reaper succeeded the scythe; the thresher succeeded the flail—but never until now has a machine been invented to take the olace of the antiquated band rake The machine has arrived. This is it. YOU NEED IT.

A THOROUGHLY durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves aud small loose litter of auy kind, stoues included, that a HAND rake wculd not touch. A man can rake three times as fast as with a hand rake. ☞A CHILD cau run it.

Just the thing to fight crab grass.

It will save its cost in 60 days ou any good lawn.

Send for Particulars.

FINLEY LAWN RAKE CO.,

PRICE $12.00. JOLIET, ILLINOIS.

When writing mention American Florist.

LOOK! From 3-inch Pots, BRIDES, MAIDS, LA FRANCE, METEORS, ROSES,

What will you give me for what you want?

STRONG, HEALTHY PLANTS.

Subject to examination at your express office.

LaROCHE, Collingdale, Pa.

Asparagus Plumosus Nanus.

TRANSPLANTED seedling plants for July and August delivery, ready for 2¼-in. pots, at $3.00 per 100, $25.00 per 1000; 500 at thousand rates, (free delivery).

CASH WITH ORDER, PLEASE.

R. ASMUS, New Durham, N. J.

FLORISTS' ORCHIDS

.......The Finest and Largest Stock in the world.

SANDER ST. ALBANS, ENGLAND and BRUGES, BELGIUM.

Send for List of Commercial Varieties.

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Orchids!

Arrived in excellent condition: Lælia purpurata, L. grandis lenebrosa and Oncidium Varicosum Rogersii. Also Catlleya Percivalliana, C. Mossiæ, Lælia anceps and L. autumnalis.

LAGER & HURRELL, SUMMIT, N. J.

Orchid Growers and Importers.

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Adiantum Cuneatum

Koffman's long stemmed variety. Fine bealthy plants, size for 6-iuch pots.

FOR SALE CHEAP.

JOHN I. RAYNOR, 49 W. 28th St., New York, N. Y.

ROSES, Brides, Maids, Meteors and Golden Gates, extra fine clean growing stock, 4-in., $6.00 per 100; 3-in., $4.00 per 100.

GERANIUMS, S. A. Nutt and others; 2½-in., $2.50 per 100; 3-in., $4.00 per 100; 4-in., $5.00 per 100.

ASPARAGUS Plumosus seedlings, $3.00 per 100.

" Sprengerii seedlings, $2.50 per 100.

NEP. CORDATA COMPACTA, 3-in., $5.00 per 100; from bench, fine, $25.00 per 100.

CASH PLEASE. Carl Hagenburger, W. Mentor Ohio.

Last Call.

		Per 100
10,000 Coleus, named, our selection	2¼-in.	$1.50
5,000 Geraniums, mixed	2¼ "	1.50
3,000 Iresines, red and yellow	2¼ "	1.50
1,000 Alternanthera, large-leaved	2½ "	1 50
1,000 Red Vernon	2¼ "	1.50
1,000 Erfordi	2¼ "	1.50
2,000 Begonias, mixed	2¼ "	1.50
1,000 Fuchsias, mixed	2¼ "	1.50
300 Asparagus plumosus	7 "	20.00

The Morris Floral Co., MORRIS, ILL.

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THE JENNINGS STRAIN of Show and Fancy Pansies. New Crop Seed Now Ready.

My 1900 strain is of the highest standard and cannot be excelled by any. Fiuest mixed, 2500 seeds, $1.00; ½-oz., $2.50; oz., $5.00. Yellow, white, blue and black, in seperate colors. 50c per pkt., postpaid by mail. Small Pansy Plants, 60c per 100 by mail. Cash with order.

E. B. JENNINGS, Grower of The Finest Pansies,

Lock Box 254. SOUTHPORT, CONN.

Aster Plants.

OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fiue plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

Smilax.

Fine, strong Seedlings from Flats, 50c per 100, $3.00 per 1000.

J. C. SCHMIDT, BRISTOL, PA.

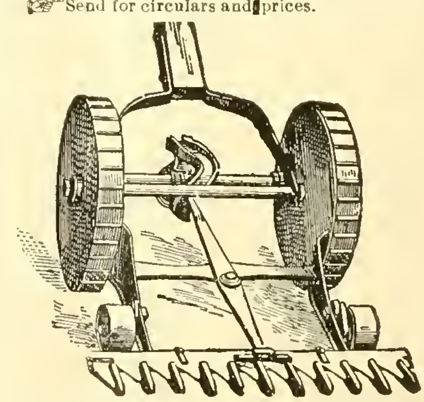
FORBES' Grand New BEGONIA CALEDONIA

(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

JOHN FORBES, Nurseryman, HAWICK, Scotland.

THE MOWER

THAT will KILL ALL THE WEEDS IN YOUR LAWNS. If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. The Clipper will do it. ☞Send for circulars and prices.



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CELERY. Pink Plume (extra strong), Golden Self Blanching, Giant Pascal, Golden Heart, New Rose and other varieties, 15c per 100, $1.00 per 1000, $8.50 per 10,000.

CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Drumhead Savoy and other varieties, 15c per 100, $1.00 per 1000, $8.50 per 10,000.

KALE. Dwarf, Green, Curled, Scotch, same price as Cabbage. If any of the above plants by mail, add 10c per 100.

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

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Pres. Carnot Roses fine plants, 3-in., $5.00 per 100.

Asparagus Sprengerii, strong plants, ready for 3-iu. pots, $5.00 per 100, $45.00 per 1000.

Robert F. Tesson, West Forest Park, St. Louis, Mo.

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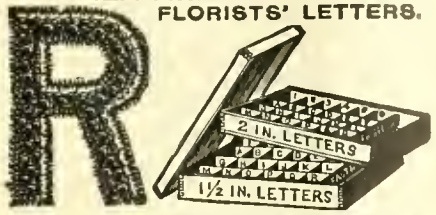
FLORISTS' LETTERS.



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Had you any trouble with the MARCH WIND coming through crack or crevice in the Greenhouse?

TWEMLOW'S

Old English Glazing Putty

SEMI-LIQUID OR PLASTIC

Will stop the trouble. Put up in 16 pound cans; 50 and 80 pound buckets.

Hammond's Greenhouse White, A SUPERB PAINT, with twenty years' record to back it up, for *wear* and *tear* and *looks* on either wood or iron Greenhouses. It stays where you put it. In 5, 10, 15, 20, 25, or 30 Gallons.
HAMMOND'S PAINT AND SLUG SHOT WORKS, Fishkill-on-Hudson, New York.

We have at all times a full and complete stock of

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IMPORTED PREPARED CYCAS LEAVES, CAPE FLOWERS (white and colored), IMMORTELLES (all colors), METAL DESIGNS, BASKETS, PEDESTALS, ETC., ETC. WHEAT SHEAVES a specialty. Send for special prices.

M. RICE & CO., IMPORTERS AND MANUFACTURERS. 918 Filbert Street, PHILADELPHIA, PA.

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Cut out of well-seasoned lumber, straight grained, ¼ inch square; a decided improvement over the cane or bamboo. Cut any length desired; always ready for use; 3 ft. at $1 50 per 1000, 3½ ft. at $2.00 per 1000; 4 ft. at $2.50 per 1000; 4½ ft. at $3.00 per 1000; F. O. B. Indianapolis. Remember the freight is cheaper than on cane stakes.
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Vapor Insecticide
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No labor required. Harmless to bloom and foliage. A certain killer of
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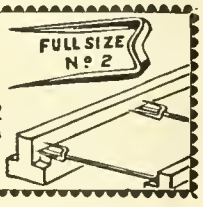

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Milwaukee.

TRADE GOOD CONSIDERING THE SEASON.—VARIOUS ITEMS OF VARYING INTEREST.

There is a good, healthy summer business and prices are fair, considering quality. Garden flowers are averaging first-class. The montbretia has made its appearance in the flower market and is well received. This is not the most profitable time for them but growers think there would be no difficulty in bringing them in earlier another season. They are certainly beautiful and durable, with stems sixteen to eighteen inches long.

A. E. Binzel has decided to discontinue his business in the Boston Store and is preparing to go to Texas to accept a position offered him there.

Holton & Hunkel Co., will close at 5:30 p. m. during July and August.

Recent visitors: John Didier and John Muno, Rogers Park, Ill.; Chas. Raupach, Park Ridge, Ill.; Mrs. A. Senff, Menominee, Mich.; Silas Button, Lake Geneva, Wis.; C. B. Tremain, Oconomowoc, Wis.

C. B. W.

GALESBURG, ILL.—I. L. Pillsbury, who has for some time owned greenhouses at Macomb, has found it undesirable to continue the establishment there and last week tore down the houses, intending to add them to his range here, which is doing a good business.

OCEANIC, N. J.—The Lord & Burnham Co. is about to begin the erection of a range of greenhouses for Hon. C. N. Bliss, N. Butterback, gardener. The new range will consist of one palm house, one intermediate house, one carnation house, one rose house, one fern house, one violet and propagating house; also workrooms, office, etc.

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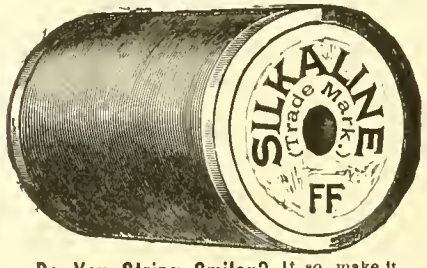

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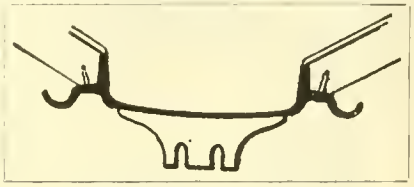

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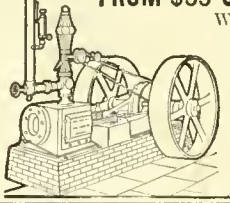

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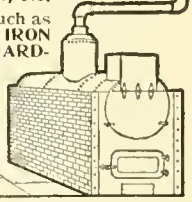

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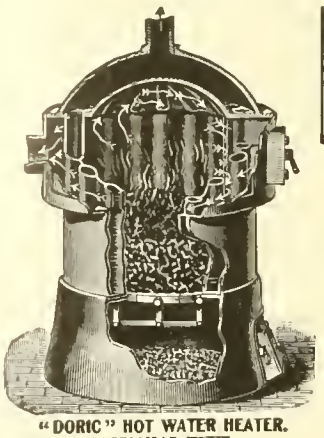

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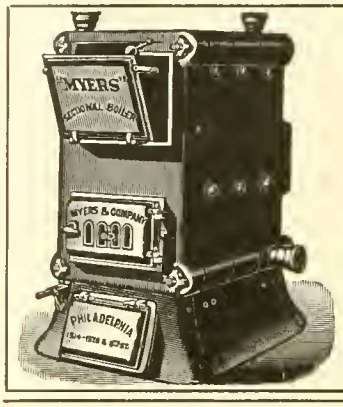

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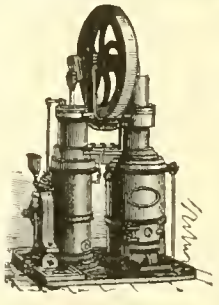

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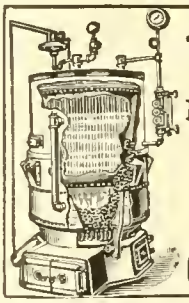

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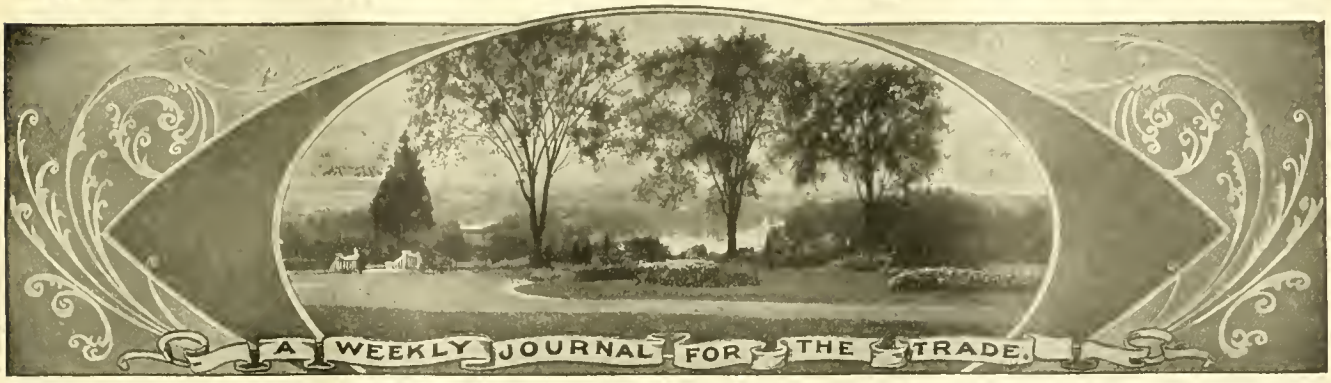

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Vol. XV. **CHICAGO AND NEW YORK, JULY 21, 1900.** **No. 633.**

THE AMERICAN FLORIST

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Subscriptions accepted only from the trade.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—E. M. WOOD, Natick, Mass., president; F. R. PIERSON, Tarrytown, N. Y., vice-president; WM. J. STEWART, 67 Bromfield St., Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. The sixteenth annual meeting will be held at New York, August 21 to 24, 1900.

AMERICAN ROSE SOCIETY.

Annual meeting at New York, 1901. LEONARD BARRON, 136 Liberty St., New York, secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Sweet Peas in America.

[Read by W. T. Hutchins, of Indian Orchard, Mass., at the bi-centennial of the introduction of the sweet pea into England, London, July 20 and 21, 1900.]

Gentlemen of this bi-centennial celebration, and friends of the speet pea in Great Britain—In one particular I feel like the Apostle Paul before the men of Athens: "What will this babbler say?" But with this difference, that Paul was no babbler. I am profoundly gratelul lor the honor of being asked to prepare a paper for this celebration, and very thankful to a favoring Providence that I am permitted to be personally present. But a less complacent feeling just now spoils my sweet peace of mind, as I remember that I am to speak to the patrons and specialists and trained workmen of this motherland of the world's best gardeners. We have English trained gardeners in America. They are in great demand to fill responsible places. Our finest estates seem incomplete without them. They have learned the "know-how" thoroughly, and they have the "how-to-do-it" in their very finger tips. Pity me then, ye men of Athens, ye who have inherited all past wisdom in this art and are the patrons of its highest development, ye gardeners of Great Britain, for my paper will be but baby prattle to you. My ancestors on my father's side were English, therefore the love of the garden is in my veins.

Since I am to speak of "Sweet Peas in America," I beg to convey to you, first of all, America's floral greetings. As fraternally as our flags lock into each other's folds, and as strong as the tie of a common speech binds us, I assure you that to-day our mutual love of the flower that brings us together is an index of a common sentiment, born of a common blood, that in the future will more and more draw the best side of our hearts together, and hold us even where other interests fail. God bless our mutual love of flowers.

From Ceylon to Sicily, from Sicily to Great Britain, from Great Britain to the continent and to America the sweet pea has migrated, and now America not only desires to pay her debt with interest to Great Britain, but would be glad to put a liberal row of sweet peas into every garden on the face of the earth. By right of discovery Italy might lay claim, in the name of Cupani, to this flower, but by the right to which America justly and graciously bows, Great Britain is now the motherland of the sweet pea of to-day. The sweet pea has a keel that was meant to seek all shores, it has wings that were meant to fly across all continents, it has a standard which is friendly to all nations, and it has a fragrance like the universal gospel; yea, a sweet prophesy of welcome everywhere that has been abundantly fulfilled. You have given it to us that we might, through our immense seed-producing facilities, give it to all the world. There are debts that men are ambitious to pay, that they may be free, but our debt to you takes a new and higher form.

I am not sure but that America discovered Eckford. I find in a letter of 1893, from a London seedsman, these words: "I wish somebody would wake Eckford up, but I guess none of the children of the west can do it. In fact he is simply incorrigible." In my visit to England in 1895 I felt that you had not discovered Eckford. And over in France they shrugged their shoulders at the mythical mention of Eckford's name. And to this day I cannot understand the tardy recognition of Eckford's superb work on the continent. But I hail with joy the fact that to-day it cannot be said that this floral prophet is without honor in his own country. I should call him a dear old Scotch-Welsh Englishman. In the floral calendar of America no name stands higher than his. Indeed, ten years ago our catalogues blazed with miraculous lithographs of the new sweet pea, and Mr. Eckford got all the glory. There was a blue sweet pea, as blue as Chinese larkspur, and a yellow sweet pea as a yellow as a dandelion, and for giant size the American woodcut was fully equal to any sensational demand.

Personally I am glad you have signalized this 200th anniversary of the introduction of the sweet pea into Great Britain, but I would love also to celebrate the birthday of Henry Eckford. I wish I might be alive on May 17, 1923, to help honor the hundredth anniversary of Mr. Eckford's birth. Let us not forget it. He will be embowered in the sweet peas of Paradise then, but it shall always stand true whose hand of skill and affection it was that drew from nature's mysterious bosom the colors that have made the sweet pea for the last decade a new flower.

We do not dub knights in America, but I have frequently said that the day would come when men would be knighted for work done on some particular flower. We need but to anticipate the day, which is surely coming, when the art of floral hybridizing and development will hold a place in popular esteem, and in national

importance, that will command recognition and a badge of decoration ranking with any and the highest arts.

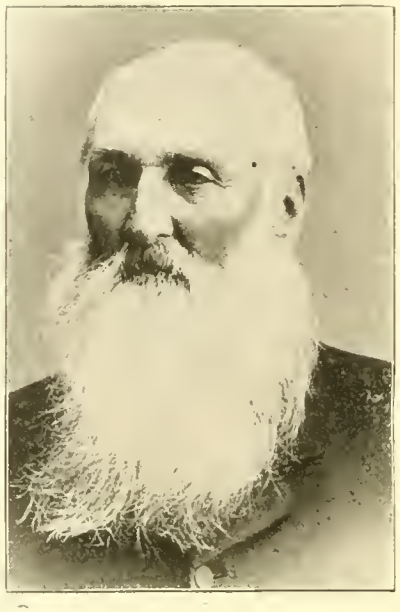
Mr. Eckford has given a perennial joy to mankind. A million gardens in America bless his name. We count it a sacred trust to hold the color and quality of what he has given us. He has been the prophet and high priest of this wonderful floral revelation. He has made the work of his successors easy. Whatever may be the last stage of the evolution of this flower, wherever its beauties may break forth with each fresh year, and whenever its praises are sung, there the memory of Henry Eckford will always be reflected in its colors, and his name be associated with its fragrance. But I am anticipating that part of my paper in which I take the most pleasure.

Let me say that in the cruder stages of American life flowers were associated with effeminate tastes and pleasures, but gentlemen, to-day in America floriculture is hard upon the track of manly arts. Nay, it is part of the mission of floriculture to save the manly arts of America from becoming brutalized.

When anyone hinted to me that it was rather remarkable for a man of nearly 200 pounds avoirdupois, to cross the ocean to read a paper on sweet peas, I pointed to the honorable list of names which I found on the prospectus of this bi-centennial celebration. Your vice-presidents and executive committee represent the masculine side of floriculture of to-day. This is the third time I have taken a 6000-mile journey from a disinterested love of one popular flower, and I am not conscious of having grown effeminate for this reason. Nay, we count among the forces that are redeeming America from the sordid lust of materialism this growing interest in floriculture, and the rapid increase of uses to which we are putting flowers, as attested by the last decade, is one of the most cheering heralds of the twentieth century. We have recently passed another Memorial day, the day of our tenderest patriotism, when we decorate the soldiers' graves, and our florists were simply overwhelmed with the demand for their finest products, and indeed for everything in the shape of a blossom. With us funerals have become the occasion of the most extravagant display of floral pieces, so much so as to already be a custom of questionable wisdom. The florists' trade is rapidly on the increase. We list 9000 florists in the United States.

I will not sing the praises of the vulgar display which proud wealth is tempted to make, for that would be the very antipode of the spirit of this occasion. But you who have been born and reared in the sweet English love of the garden will rejoice that America is now, more and more, showing her ethical and spiritual evolution in the abundant and significant uses to which she is putting flowers. Every year I see an increasing number of men, morning and evening, busy about their lawns and beds and borders, translating their own ethical and spiritual growth into the language of the beautiful products of the soil, and putting sweeter meaning into the word "home." Within the past decade our school yards have begun to add on this branch of education. And now our railroad stations, not so much as yours, but following your example, and with a prophecy of progress, have recently begun a lively competition in substituting little slices of paradise for the unsightly remnants of chaos that formerly prevailed.

That the commercial greed of a rapidly growing nation should so soon become amenable to these finer ethical and æsthetic dictates is one of the greatest encouragements to optimism. And I feel quite sure that America has overtaken Europe in the magnificent and elaborate layout, of the floral part, at least, of our public parks and gardens. We pay our compliments in flowers. We make love with flowers. We worship God with flowers in our church decorations. I live among them all the week, and unless I can preach from the midst of them I miss their inspiration. In our weddings the old, conventional, orange blossoms have given way to elaborate floral dec orations, defying description. And we disguise the gloom of the grave and transfigure our affection and faith with



HENRY ECKFORD.
The English Sweet Pea Specialist.

floral tributes of unstinted cost. 'Tis but a step from the patriotism that decorates a soldier's grave annually with blossoms, to that manly occupation or diversion in which we give our surplus energy to the development of the highest floral art. We preach floriculture as a hobby to busy men, who are in danger of suicidal application to business.

It would be about the same thing if my subject were, "A Decade of Sweet Peas," for this flower hardly attracted attention in America till this last decade of the century came in. And to tell of the wave of interest that has swept over the land since this flower was regenerated would put your credence to a sore test. Of course the old-fashioned Painted Lady sweet pea is still remembered in old gardens, and as many as a dozen sorts were found in the Massachusetts Horticultural Society's exhibitions, twenty years and more ago. My soul was kindled at that time by a magnificent row grown by a well known Boston man, at one time Mayor of Newton. Twelve years ago I had begun to get together a collection of varieties, and when I had nineteen distinct sorts the fact was worth publishing. About that time I began to notice Mr. Eckford's name in Farquhar's catalogue, and in a sort of timid foot note, and about the most modest thing I ever saw in a seedsman's catalogue, they intimated that they could supply, but did not feel warranted in recommending, the latest sealed packets of the Eckford introductions. The sensations I felt in those days as I succeeded, one by one, in getting the named sorts into bloom, are still vivid. In those days Scarlet Invincible and Butterfly and Adonis, and Crown Princess of Prussia and Princess Beatrice were treasures indeed. The first vision I had of Mr. Eckford's work was in Boreatton, and Splendour, and then came Orange Prince and Countess of Radnor. I exhibited the first that had been seen in Boston of these last colors. There was no longer any skepticism in my mind about Mr. Eckford's achievement. I do not believe any flower yields more jealously to the hybridizer's art than the sweet pea. It was wonderful that Mr. Eckford got such colors, even after years of effort. And then we began to see his work in the hooded and grandiflora form that now characterizes nearly all the novelties.

The Eckford sets of 1892 and 1893 set the United States ablaze on sweet peas. California was just in time to prove that sweet pea seed could be grown in America and to meet the enormous demand the seed houses jumped from a few pounds of stock to tons. A small florist would sell a hundred pounds, an ordinary seedsman two or three tons, and one jobber has had twenty-five tons in stock in a season. Ten years ago a Boston seedsman declared to me that sweet pea seed could not be grown in America. Within four years of that time I visited California at the growers' invitation, and inspected the sweet pea fields of four growers, altogether not less than 350 acres. Sixty varieties were represented at that time, and were rogued carefully to name and type.

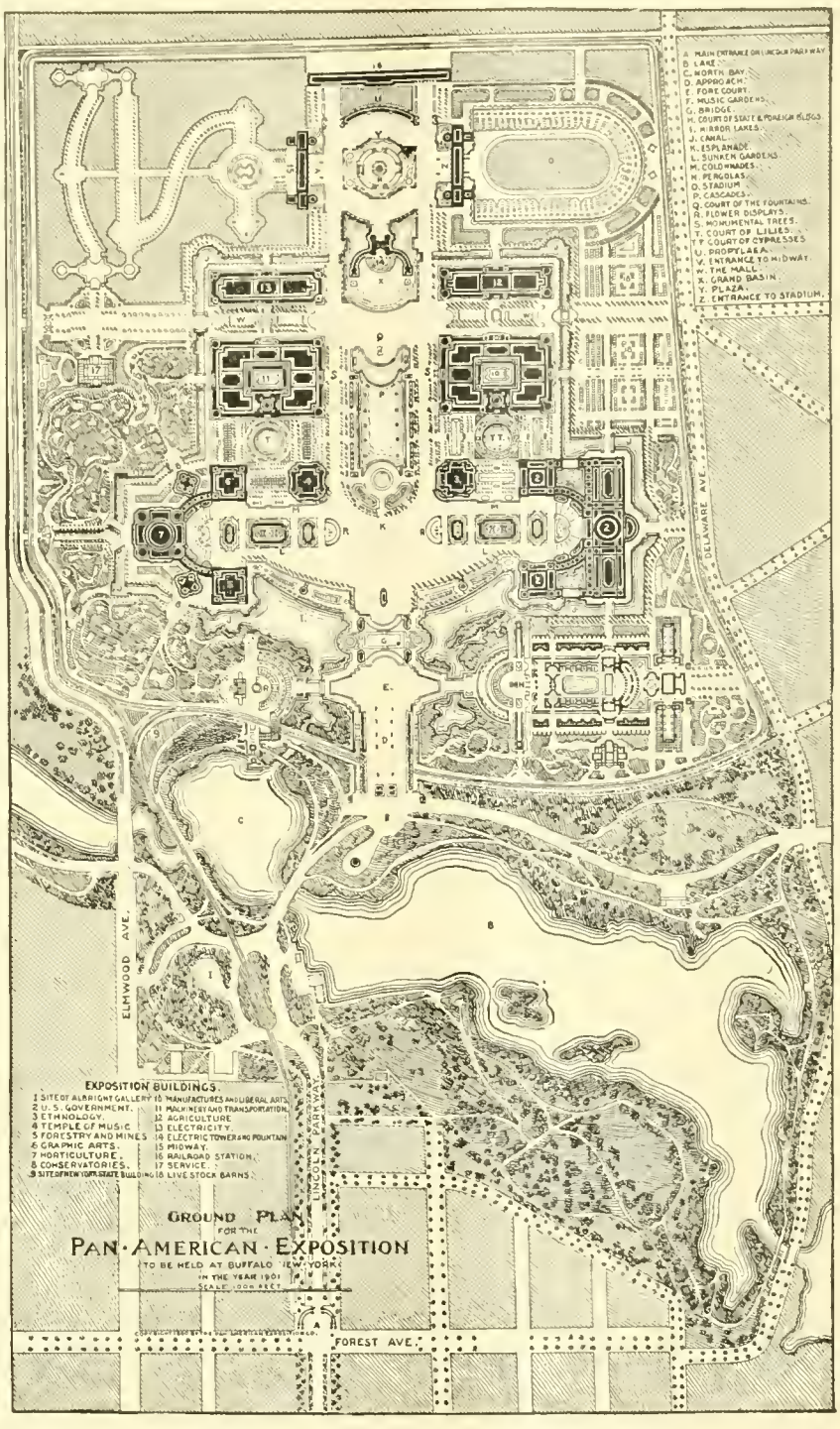
Now, the subject of sweet peas in America covers a wide range of data in the matter of climate and local conditions for their successful culture. We have every possible kind of soil, every degree of altitude, a wide variance of season. Sweet peas are grown in every state of the Union. They are planted all the way along from November to June, from the semi-tropical belt of Gulf states to the Canadian latitude. For 3000 miles, from the Atlantic to the Pacific, almost every garden has in the last decade had its row of sweet peas. And even when people have had ill luck in trying to grow them they still try and try again, for of all flowers they think they must have sweet peas. The American seed trade handles somewhere from 125 to 150 tons of seed of this one flower. I suppose that at this moment there are as many sweet peas in bloom in America as at any time during the last decade. We have such a diversified territory that there are always localities where people are making a fine showing on this flower, and plenty of new localities where the interest in them is in its first flush. Previous to this last decade they would grow as thriftily as weeds in our gardens, but since they have been so highly developed they demand virgin soil or something approximate thereto. We do not get so strong a fibrous root as we used to and hence our season of bloom is a good deal shortened. But every year shows the market full of them, and for July and August they are our leading flower.

It has taken rank as an exhibition flower. In several cities our sweet pea shows have for some time been an annual

event. We are still competing for an Eckford cup at Springfield, Mass. The cup was taken last year by a gentleman who sent his flowers 300 miles, from western New York. He sent magnificent bunches of the complete set of Eckford's latest introductions, and as nearly as I could figure, it cost him about $10 per bunch to grow and transport and table them at our show. But the whole town where he lived celebrated the event of his winning the cup, for the whole town has had a sweet pea craze for three years. That is Cohocton, N. Y. It is a sample of a locality where this flower does splendidly and where a local interest is kindled to a high pitch.

But let me say, you who know only the moderate range of temperature which you have here in England, with its abundant moisture, cannot realize what our gardens have to contend with in America. Our summer's work is often spoiled in a single day by a scalding sultriness with the sun close on to 100° in the shade. These extremes of temperature, often accompanied by drought, not only burn the finer shadings out of our blooms, but put a ruinous strain on the less thrifty root which we now get. So exhaustingly does evaporation go on in our mid-summer days that only by heroic fortitude can we follow up the battle, year after year. It is a joy to come over here, where your climate smiles upon the delicate shadings of Mr. Eckford's beautiful seedlings, but with us only the stronger colors hold. We have to translate your descriptions into a much narrower vocabulary of colors and markings. Still our enthusiasm for ten years has, I think, led the world on this flower. It is not to be expected that we can Americanize the results of Mr. Eckford's work in ten years. I look upon Mr. Eckford's work as a permanent legacy. As a rule, a new color once made on the sweet pea is forever a fast color. Even if we have temporary set backs in America, we shall again and again revive this splendid annual in more and more acclimated form.

And now, I take it, your committee desires me to speak of that very important branch of my subject, the growing of American sweet pea seed. It is not all grown in California, but the great bulk of it is. I believe there are three main points in the production of good seed. First, conditions that will produce a strong, well nourished plant and bring it steadily to full maturity. Second, conditions that will, at the best stage of the plant's strong growth, throw out promptly and ripen uniformly, just as much of a seed product as the plant can, at one normal effort, carry out. Third, conditions insuring good sunshine for uniformly ripening and harvesting the product. Now, the seed ranches of California are located where the most wonderful virgin soil is found in abundance. It is of inexhaustible depth. Some of it is a heavy adobe soil, but in other places it graduates off into a quality that pulverizes well. It is a wonderfully rich deposit, often of great depth. The California year is pretty evenly divided between six months wet and six months that are rainless. But when the rains begin in the fall they begin to plant. The southern part of the state is semi-tropical, and north of that the winters are sufficiently mild, so that the sweet peas go on making root all winter. As far as possible they get their stocks in to catch these fall rains. Much of it comes into bloom in April, and May is a grand month to visit those immense seed



GROUND PLAN OF PAN-AMERICAN EXPOSITION.

ranches. I have seen thirty acres of one variety in bloom, but when you come to compare that with one block of onion seed a mile square, dimensions become dwarfed. I am sure that California soil makes a strong seed-producing plant. And the work done on sweet peas by these California growers is not only intelligent and conscientious, but enthusiastic. And their harvesting conditions would make English seedsmen hilarious. I am here to tell the simple truth. No storms ever beat their crops down, and just at the right stage they pull up those vines loaded with pods, and lay them upon great sheets in the sun, and that seed doesn't see a warehouse till it reaches the eastern jobber.

If I am to be honest to-day, I ought to say that three things will occur to any observing man who visits the California growers and carefully examines their conditions and products. You are entitled to ask whether the method of planting in November and harvesting in July has a tendency to change the habits of the vine, whether a seed matured two months later would carry the vines in our gardens through midsummer better. I do not know. Then there is the question of whether seed produced under very stimulating conditions will hold up under the trying conditions which the amateur grower has in many localities. And then seed ripened under such a sunny sky sometimes makes a hard baked shell that

is tardy about swelling in the moist spring ground. But which would you rather do, harvest in rains or in a sure sunshine? Sum up the pro and con of California conditions. The conditions there are like everything else Californian. You can travel 900 miles in a straight line without crossing the boundaries of that state, and the creator gave them conditions for seed growing on the same grand scale, and I do not know where else the present enormous demand can be met. And I have not been able to find any seed that is better. The trouble is likely to be in other localities that vines will not mature so strong a product uniformly. I do not think you can pick pods from a growing vine and get as good a result as from seed that has matured uniformly, and taken the whole strength of the plant at one time.

I was fearful once that Mr. Eckford's novelties would deteriorate under these wholesale conditions of growing seed, but I think the Eckford blood is improved by being transplanted in California, and it is the common opinion on our side that the American grown seed is holding up the Eckford quality very well. But I do hope that specialists in this flower will multiply, for we need from various parts of the world that painstaking work that will do for this flower what is done for other flowers to hold them up to the highest type.

Perhaps I ought to say a word about American novelties. I think our claim to American novelties is legitimate, and yet, of course, we owe it to Mr. Eckford that he has made it easy for us to get them. Where a grower has from 200 to 250 acres of this flower in bloom, and most of it has come from the Eckford stock, of course his eye is always out for any precious rogue that may appear. And he frequently finds them, and carefully saves every seed from such a plant. The Eckford sealed packets are likely to break at any time into the most remarkable seedlings. The California growers have in reserve, with quite an accumulation of stock, many beautiful things. I don't know how you can stop them. And then, too, if you now cross two of Mr. Eckford's fine sorts you get the result of that hybridized blood that breaks in all directions. The California growers have done some of this crossing successfully, but they do not need to do much, for the list is already overloaded. I know this, that they very sincerely want Mr. Eckford to hold the lead. We feel almost a sacred dependence on him. We should count it a calamity to have any other name but his hold the pre-eminent place.

Gentlemen, there is one debt that has troubled my conscience for three years. It was an event in my life when I formed the acquaintance of S. B. Dicks, of London, and after that I looked forward to his annual coming with eager anticipation. He was a walking encyclopedia. If I could only have him to fire questions at for five minutes I was happy for a year. You could not rely upon what the catalogues said about sweet peas, but I became an authority after Mr. Dicks answered my questions. It was largely by his help that I was able to go to California in 1894 and set the growers right in their names and types of the sixty varieties then known. One day, about four years ago, I met him, and he said he was going to add something to the literature of the sweet pea. From that day to this no opportunity has offered itself to worthily tell him of the personal debt I felt toward him for that chapter on the history of this flower. If I were to name the salient points that should form the corona of this celebration, that historical chapter by Mr. Dicks would be one, and worthy to be put beside the splendid work of Mr. Eckford. His article, with valuable illustrations, appeared in the New York Florists' Exchange and American Gardening in 1897. You have surely added luster to this occasion by giving him again the history of this flower.

Gentlemen and friends, the facts are so evenly divided between Great Britain and America on this flower, that while I feel that I must come to England to see it at its best, I am quite sure you also must visit America to see it at its best.

Pan-American Notes.

Frequent heavy showers have been a great help to the trees, shrubs and lawns upon the exposition grounds. The large area between Elmwood avenue and the park entrance, which has been laid out in hundreds of beds, mostly to receive exhibits, is now assuming a most beautiful and finished appearance. By the energy and skill of Mr. Ulrich, what was a few weeks ago a most forbidding waste of clay, is now covered with a velvety lawn. No expense is spared in preparing the beds for exhibits. They are excavated fifteen inches and filled in with rich soil. The banks of the lakes and grand canal are as green as beautiful grass can make them.

The sunken gardens, which lie between horticultural hall and the United States building, are nearly completed and make a grand effect. There are two sets of them, each 800 feet long, The extent of the landscape features now begins to be evident; they are most lavish and diversified. Wherever shrubbery will adorn, it is planted and between the shrubs the ground will be covered with herbaceous plants. To supply all these Mr. Ulrich has raised immense quantities of the leading sorts.

A visit to the propagating houses and a chat with the foreman, Herman Searman, who walked me over two or three acres of frames which were filled with hardy plants and grasses, convinced me that there are plants enough to make this department of the Pan-American truly remarkable. They were sown during the winter and are now strong plants and will be planted permanently early this fall. There are 100,000 of these hardy plants and another 200,000 low growing or creeping plants that will need the protection of a frame this winter and will be planted out early in the spring.

These plants, such as vinca, lysimachia, othonna, cerastium and others will be used to cover the ground beneath the groups of palms, etc. The herbaceous plants make a long list and include most all of the hardy, showy sorts. There are achilleas, potentillas, digitalises, campanulas, lobelias, platycodons, polemoniums, gypsophilas, delphiniums, rudbeckias, chelones, aquilegias, asters, salvias, heleniums, lychnises, coreopsises, dianthuses, geums and many others. Then there are thousands of the handsome grasses that will be placed on the banks and margins of the lakes, lagoons and picturesque inlets. There are varieties of agrostis, andropogon, eulalia, bambusa, elymus, erianthus, panicum, pennisetum and other less known sorts. Surely all these plants, wisely distributed, must make an unparalleled display.

Random Notes in and About Philadelphia.

One new palm house about 30x200 is the extent of Joseph Heacock's building at Jenkintown this season; but nine of the older houses have been re-piped and re benched, entailing considerable labor and expense, which accounts for the air of bustle and activity that greets the visitor here these hot, midsummer days. The benching has been done in latest style, with the walks close to the walls. Red cedar is the wood used, Mr. Heacock having given up the idea that locust is the most lasting of timbers for this purpose. Palms and roses are the principal crops grown and it is a pleasure to note their fine condition, the former especially. House after house of kentias in all stages, from the seed bed up to 15 inch pots, greet one in passing through and all in the cleanest and most vigorous state of growth. One batch of 5000 Kentia Belmoreana seedlings about three inches high was particularly noticeable for its vigorous and uniform growth, showing stronger seed vitality than is usually found in this crop. Areca and latania are important crops also, although in less quantity than kentia.

American Beauty is the standard variety grown in the rose line, the teas being subordinate. Mr. Heacock grows a good many Meteor and has generally done well with it. This year he has the usual quantity planted and they are well forward. Of Liberty only about 100 plants have been put in as an experiment. The growers around Philadelphia seem to be taking hold of this new sort much more gingerly than their brethren in Boston and other parts of the country. They say the large quantity held for cut flowers by the introducers here makes but a poor inducement for the man who has to pay a high price for his stock.

Mr. Heacock is building a new underground cooling room for his cut flowers, the big refrigerator which has done duty for so many years having outlived its usefulness. The expense for ice will be avoided and many other advantages are to be gained by the new method, which reminds me that this "cooling room" matter is the subject up for discussion at the next meeting of the Philadelphia club. There is, I believe, more meat in this matter than would appear on the surface, to the casual observer, and we are to be told about some new and interesting methods by Mr. Geiger, who has been gathering pointers from east and west the past few months. It is a nice, cool, refreshing subject for August 7, which is usually a sizzling time of the year.

Emmet Canning has rented the old Hunter place at Fifty-sixth street and Lansdowne avenue. He will grow chrysanthemums, carnations, roses and miscellaneous stock, chiefly for local trade.

Jno. Habermehl has been sojourning at Atlantic City for the past month, having been packed off there by his doctor and relatives, much against his own inclinations. The boys here are hoping that his health will be greatly improved by convention time, as his presence as captain of the bowling team is much desired. He has not been able to qualify for a place on the team this year but they'll take him at face value if he's in form. During his absence the business is well looked after by his brother, Edward. This firm, J. J Habermehl's Sons, has come rapidly to the front during the past few years. The are hustlers and keen, shrewd people and are now enjoying a well deserved success.

Mrs. Edwin Lonsdale and daughters

are enjoying the cooling breezes at Ocean City with Mrs. Robert Kift and family for near neighbors. Jno. Burton is away fishing. Ino. Westcott is so often away on that errand that by way of novelty I report him at home at present but open for any congenial suggestions at any hour of the day or night. Jacob Becker and Emil Lieker have gone to Europe, while others too numerous to mention have hied them to seashore and mountain. Altogether the Quaker City is pretty empty but there are still enough of the craft here to welcome any brother passing through.

Jno. G. Gardner has severed his connection with the Stoke Pogis Nurseries and has launched out for himself at Villa Nova, Pa., under the style of The Montgomery Nurseries, where he will cater mostly to the local trade. He is well and favorably known among the best people in the neighborhood and has the most flattering prospects for success. He has a good field for cricket and invites the florists of Philadelphia to a game sometime soon. Jno. Burton will have to get his team of cricketers organized again and take this in. Dodds, Thatcher, Goebel, and a lot more good cricketers are just pawing around like hounds in leash, eager for the fray.

I saw about as fine a lot of Pandanus Veitchii yesterday as it has ever been my pleasure to witness, at John Welsh Young's. This gentleman has been making a specialty of this plant for several years and does it well. Roses are the chief item grown here and planting is about over for the season. The past year was a very satisfactory one on the whole, both as to crops and prices, and

PHILADELPHUS SPECIOSUS.

Mr. Young is in a more than usually cheerful mood, brimful of quips and wreathed in smiles for all callers of respectable antecendents and good condition.

H. W. Wieland, up at Newtown, is another of the active florists of this neighborhood who is doing some building during the hot spell. He is using the Jennings gutter and drip catcher, which looks like a good thing. There is said to be an improvement on it, however, the lengths being about twenty feet instead of five feet, and requiring less bolting. I think the improved pattern is the Hippard, but am not sure. Jno. Walker was telling me about it and John knows a good thing when he sees it.

I think war must have been declared between the two Darby Road nabobs, Anderson and Harris. You can hear the noise of them a mile away, as they sit on the front porch at Anderson's on a Sunday afternoon and discuss the fine points of gunning and other sports and pastimes. The amount of wind jamming indulged in on some little subtelty that none but the Galloway born could understand, is something remarkable. There's the handicap, for instance. A great theme! How these two whang it and bang it, and toss it up, and throw it down, and thresh it, and smash it, scatter the remains broadcast and then gather them all up and commence over again! And bowling averages! That's another bone to worry and fight over and snap and growl at. They whisk it this way and that, they chew it in this corner and gnaw it in that, and raise such a hullabaloo generally that the neighbors have much ado to hear their own ideas come into their heads. There are no casualties to report at this writing beyond great effusion of breath and perspiration, three suspender buttons, four damaged chairs, one stiff hat and one old weskit. After the convention struggle is over it is expected that peace will again be restored between those two estimable citizens and near neighbors. G. C. WATSON.

Philadelphus Speciosus and Falconeri.

Our illustrations present two contrasting types of this popular garden shrub. P. speciosus is one of the largest and showiest early flowering species. The flowers are snow white and very fragrant. As to the origin of P. Falconeri, no one appears to know. Its characteristics seem to suggest deutzia blood and it is possible that it may be a hybrid. The flowers are silky white, very dainty, and would be pretty in florists' work of the choicest character. Both the above described plants are perfectly hardy and highly prized at the Arnold Arboretum, Boston, where the photographs were made for our reproductions.

New England Park Superintendents.

The third annual meeting of the New England Association of Park Superintendents was held on July 11 and 12 at Worcester, Mass. The sessions opened with a banquet at the Bay State House on Wednesday evening, and after one and one-half hours attention to this feature the meeting was in proper condition to attend to business.

The meeting was called to order by chairman Edwin B. Curtis, of the Worcester park board, who introduced J. A. Pettigrew, president of the association, who read an address upon the work of the association. He was followed by James Draper, secretary of the Worcester park board, who addressed a few words of welcome to the visitors and told of the work of inaugurating and constructing the distributed system of small parks which Worcester now enjoys. He traced the beginning of the present system back to the common, or training field, which was a part of the beginning of almost all New England towns, and paid an enthusiastic tribute to E. W. Lincoln, who was instrumental in acquiring and laying out the present large public areas, and to O. B. Hadwen, who had served continuously for thirty-three years on the park board of the city.

J. D. Fitts, the superintendent of the parks of Providence, R. I., was next called upon for an account of the recent meeting of the American Park and Outdoor Art Association at Chicago. Mr. Fitts rehearsed the work of the association briefly and referred pleasantly to the hospitality extended to the visitors in Chicago.

Secretary Geo. A. Parker read a paper upon the uses and influence of parks, which was of great interest, full of

PHILADELPHUS FALCONERI.

poetical sentiment and much enjoyed by his audience.

Henry Frost, superintendent of the parks at Haverhill, Mass, gave an account of his efforts to beautify his city, and Chas. S. Anthony, president of the Tauton, Mass., park board, told in a very interesting and exceedingly humorous manner of his experiences in developing the parks of his city.

Superintendent Frank L. Fish, of the Taunton parks, also made a few appreciative remarks, and Nathaniel Morton, president of the Plymouth, Mass., park board, spoke entertainingly of the park interests of his own city. He stated that he has devoted fifty acres of land to demonstrating that the white pine can be successfully cultivated and invited all to come to Plymouth and see what is being done there.

The business session of the association was then held, President Pettigrew in the chair. Secretary Parker read the report of the proceedings at the Providence meeting last year and Treasurer J. H. Hemmingway presented his financial report, which was very encouraging. The secretary reported, for the executive committee, recommendations regarding changes in the by-laws, which were adopted without opposition. At the election of officers the following gentlemen were selected to serve for the ensuing year: President, J. A. Pettigrew; vice-presidents, Jos. D Fitts, John A. Holmes, Chas. E. Keith, W. H. Richardson; treasurer, John A. Hemmingway; secretary, G. A. Parker. All, with the exception of Mr. Richardson, are re-elections. Seven new members were elected and it was

voted to continue through the coming year the circulating bulletin which had been inaugurated during the past season by President Pettigrew. An invitation having been presented by Superintendent Theodore Wirth, of Hartford, Conn., on behalf of the park commissioners of Hartford and the Keney Park trustees, to hold the meeting of 1901 in the city of Hartford, on motion it was voted unanimously to accept the invitation.

The second day was passed by the visitors in inspecting the park system of Worcester as guests of the park commissioners. Elm Park was first visited. This territory contains eighty-eight acres once a meadow but now covered with a luxuriant growth of trees and herbaceous plants in great variety and adorned with a fine lake with two fountains. The high eminence in this reservation, known as Newton Hill, was visited, and the commanding view from this observation point greatly enjoyed. Some one suggested to O. B. Hadwen, who assisted in escorting the party, that there were several trees that might with benefit be removed; that gentleman replied: "The man who would dare suggest to cut down those trees would be hanged; I have had all I want of it and have done all I dared to do in the past."

Compton Park, fifteen acres in extent, was next visited and found to be mainly a play ground with a large wading pool, of which a myriad of youngsters were taking full advantage. It is located in the tenement district and serves one of the most useful purposes in the park system.

University Park, fourteen acres in extent, with its lake, fountain and nymphæas, and Institute Park were next in order. Institute Park was originally a gift from Hon. Stephen Salisbury, who has paid, besides, a large amount toward the improvement of the grounds. There is a fine lake here, also, on an eminence, a reproduction of the famous stone mill at Newport. A lunch was served at the refectory.

Dodge Park, containing fifteen acres, was next visited. It was a gift to the city from Hon. Rufus B. Dodge, but little work has been done on it yet. North Park, thirty-nine acres in extent, has a fine rolling surface and picturesque lake and is well covered with thrifty young plantations. East Park has an extensive play ground with wading pool, and it also includes Chandler Hill, an abrupt eminence, from which a fine view can be obtained. This reservation contains eighty acres.

The largest reservation is Lake Park, containing 110 acres, located on the beautiful Lake Quinsigamond. The visitors were given a trip the entire length of the lake on a steam launch and the scenery along the shores, where many private club houses are located, was thoroughly enjoyed. Special note was made of the Wapita Club, which is an organization of Elks, their grounds being located on an island. It was suggested that this is the only case in history where the Elks are known to be entirely surrounded by water. Lake Park was a joint gift of Hon. E. L. Davis and H. H. Bigelow, who each contributed fifty-five acres. It is covered with fine oak and chestnut forests.

A shore dinner was given at the Edgemere Hotel in Quinsigamond Park, also abutting on the lake. Commissioner Curtis addressed a few words of welcome to the guests, thanking them for coming to Worcester and extending an invitation for another visit in the near future. He introduced Commissioner Draper as chairman, who called upon Mayor Rufus B. Dodge, who spoke enthusiastically of the recent park development in Worcester and predicted greater extensions to its area in the future. President Pettigrew replied for the association, thanking the people of Worcester for their kindness and hospitality, saying that their parks were advantageously located and approving particularly of the wading pools provided for the children. Secretary Parker and Superintendent Keith, of Bridgeport, Conn., followed in a similar strain. Commissioner Hadwen, being called upon, told of his interest and pride in the parks of Worcester. At the close an enthusiastic vote of thanks was recorded. One of the most remarkable features of this meeting was the promptness with which the programme was carried out, from the first to last. The various features which were scheduled on the programme, being some fifteen in number, were all followed up on time, almost to a second. It is doubtful if a similar record has ever been made by an organization at its meetings heretofore.

The following gentlemen were present: John A. Pettigrew, H. B. Clewley, J. B. Shea and W. J. Stewart, Boston, Mass.; G. A. Parker, Theo. Wirth and J. W. Phelps, Hartford, Conn.; Joseph D. Fitts, Providence, R. I.; Henry Frost and Dudley Porter, Haverhill, Mass.; Nathaniel Morton, Plymouth, Mass.; Herbert A. Hastings, Springfield, Mass.; Henry C. Fuller, New London, Conn.; Chas. E. Keith, Bridgeport, Conn.; Robt. Elder, Waverley, Mass.; C. S. Anthony and F. L. Fish, Taunton, Mass.; W. H. Richardson, Concord, N. H.; T. W. Cook, New Bedford, Mass.; W. B. Whittier, South Framingham, Mass.

WITH THE GROWERS.

WALTER RETZER & CO., CHICAGO, ILL.

Those persons who are admirers of cleanliness cannot do better than to pay a visit to Walter Retzer, up on the North Side of Chicago, where the lake breezes blow. To begin with, the houses are all new and well conditioned, which is a great thing in itself, and then the active head of the institution is one of those persons who are so fortunate as to have rubbed off some ideas of order as practiced by Dr. Wm. Trelease, at the Missouri Botanical Garden, and O. C. Simonds, at Graceland Cemetery, with both of whom he has been associated. The result is that the store is as neat as it can be, the big show house is as orderly as a regiment on parade, the greenhouses are as clean as constant care can make them and, as for the stock, there is hardly an unhealthy plant in the whole lot and not a trace of any of the many pests with which the plantsman must contend.

Mr. Retzer has been in business only three months and he is young enough to feel that it isn't necessary for him to make his fortune the first season. With this idea in view he is engaged in getting things into such shape that it will be unnecessary to extol the merits of his wares, believing that it will be worth while in later dealings to have the stock speak for itself. He isn't crowding things but there are huge quantities of material under the cover of his 125,000 feet of glass and the way it is thriving and selling is a surprise, even to the sanguine owners. There is a splendid lot of Boston ferns of various sizes and scattered here and there are several batches of Livistonia rotundifolia, about 8,000 in all, which are remarkably vigorous. This, by the way, is Mr. Retzer's favorite palm and he proposes to grow it extensively, believing that the public will appreciate it at its true worth; he has, in fact, invested in such small lots as he has encountered, to increase his stock. There are, of course, all sizes of kentias, latanias and cocoses and out in a shaded hothed are many thousands of arecas which are making a remarkable growth after only a few days in this location. In the propagating beds Mr. Retzer has 50,000 kentia seeds, 25,000 latanias, 25,000 arecas and 8,000 cocoses, all germinating nicely.

He has, of course, considerable quantities of stock demanded by his very handsome retail trade. This spring he had several houses of bedding material but found that he had to buy as much more to fill his orders. He does not expect to grow more than a portion of the cut flowers he requires but has planted 500 Liberty roses, which are starting away finely, and is now benching 15,000 chrysanthemum plants which will all be grown to single stem. One of the novelties of the place is the use made of a dozen big sago palms, the patriarchs of the considerable portion of the family which are at present occupying quarters there. These plants made such excellent growth that Mr. Retzer cut the leaves for his design work and then began sending them to a down-town commission dealer who sold them at such profitable prices that the plants will be planted out in a big solid bed and given every encouragement to keep on growing into money.

Mr. Retzer was educated as a landscape architect and has found his location to afford excellent opportunity for the exercise of his talents in this direction. He did a little work of this character during the spring season and is booking a number of good orders for fall planting. It is his purpose to eventually be able to procure a considerable proportion of the material required for such work by drawing from his own stock and he now has a quantity of cuttings of shrubs of various character in a propagating bed and has secured a couple of lots adjoining the greenhouses, where he has planted an importation of clematises and roses, all grafted and in variety; this additional land Mr. Retzer proposes to shortly cover with glass.

If the future fulfills the promise of the roseate horizon Mr. Retzer proposes to use his present range merely as a retail and distributing point, doing the bulk of his growing upon a forty-five-acre tract at the corner of Lincoln avenue and Crawford avenue which he has just acquired. For the present this land will be utilized for plantations of shrubbery of the choicer kinds, such as are required for his landscape work, but Mr. Retzer hopes that the time is not many years distant when his wholesale trade will justify him in covering a large portion of it with glass.

Sweet Pea Notes.

Sweet peas grown out of doors at Memorial day may seem almost an impossibility for New England. This season I picked sweet peas on May 23 and have been having a continuous supply ever since. The system which I adopt was first suggested to me several years ago by that well known friend of horticulture, James Wood, of Mount Kisco, N. Y.

I sow the seed during the first week of

October. This allows the young plants to be about two inches or more above ground before severe freezing sets in. As soon as frosts become severe enough to warrant protection I set a board ten or twelve inches wide on edge along each side of the row and about six inches away from the row. I then earth up the board nearly to the top on the outside. Along the top I lay sashes the proper width to fit snugly on the edges of the boards. This is all the protection necessary for this locality. Too much protection with salt hay or litter is apt to rot the plants.

During winter the sashes are taken off every fine day but during a severe spell they are left on all the time. As soon as the severe frosts are past the sashes and boards are removed, the plants earthed up a little and a fine, hardy growth will be the result. This system, which does not seem to be much used, should be tried by all those who have had poor success with spring sowings. The vines will have a stronger and healthier growth and the flowers will in many cases be double the usual size, with much longer stems. I have this season picked blooms with stems fifteen inches long, which is certainly a good length for this popular flower. JOHN W. DUNCAN.

A Kansas City Design.

We reproduce herewith a photograph of a design made by Arthur Newell, of Kansas City, the second one made for the same customer. The arm of the cross was entirely of pink material, Bridesmaid roses, Scott carnations and Blanche Ferry sweet peas, with some bronze galax leaves on the outer edge, partly covered by sprays of asparagus. The upright portion and the base of the cross were worked out entirely in white, with the exception of some three-foot Beauties and long Bride roses used at the base, the material used being white roses, Brides and Kaiserins, white carnations and sweet peas. The combination produces a very striking as well as pleasing effect.

DESIGN SIX AND ONE-HALF FEET HIGH, BY ARTHUR NEWELL, KANSAS CITY, MO.

CARNATIONS.

THRIPS AND THEIR EXTERMINATION.

The time is not far distant for growers to begin housing their carnations, and it is none too early to begin preparations for this work, which will be unusually severe this season on account of the almost universal prevalance of thrips, unsuspected, perhaps, by many growers, but present nevertheless. All rubbish is a harbor for thrips and the houses should be cleaned with the greatest thoroughness; then, for at least three days before planting begins, close them up tightly and fumigate by burning about four times as many tobacco stems as you would use if the houses were planted. Do this for three or four nights in succession and you will exterminate not only the thrips but most other insects.

The thrip might be classed with the red spider as an enemy of carnations and is a greater menace than any fungus disease. It is not difficult to detect the presence of thrips when acquainted with their marks. On young plants and those growing in the field they can be detected by the curling and distortion of the young leaves as they come out from the extremities of the branches. An examination of these leaves will show that they have been eaten, either at the tip or along the sides; the portion traversed will be from one-fourth of an inch in length to as much as two inches and usually about one-sixteenth of an inch in width. They seem to work only on the epidermis of the leaf.

Thrips are very minute and one must look closely to see them with the naked eye. When mature they have black wings and are very lively, jumping almost as soon as they are exposed to the light. They are not exclusively carnation feeders but attack a number of flowering and vegetable plants as well. On outdoor carnation plants they will be found in the center of the bunch of leaves forming the terminal of each branch, and it is this which makes the application of remedies difficult, but it, at the same time, affords us a chance to destroy a goodly portion of them by gathering up and burning the branches severed in topping.

As thrips are not friends of tobacco in any form, some of them may be driven from the plants by an application of strong tobacco dust, preferably in the morning, when a heavy dew is on the plants. A sprinkling with diluted tobacco extract is also of some benefit, but best of all outdoor remedies, where the cost is not prohibitive, is to mulch the entire patch with tobacco stems. Where none of these methods check the thrips, the only thing to do is to house the plants at once and fumigate them heavily two or three times a week as long as may be necessary.

For an even-span house, 22x256, the ridge fifteen feet high, six fumigators should be used, each holding one-half bushel of tobacco stems; on the top of the stems in each of these fumigators sprinkle one-fourth of a pint of pyrethrum powder. This strong fumigation is very damaging to the flowers, but it will so reduce the thrips that ordinary winter fumigation will keep them under control. It will be as well to cut all the buds off the plants, and pay attention to getting rid of the thrips first and get the flowers afterward.

During the winter months the flowers are the principal feeding ground and the

presence of thrips will be manifested by white spots at the edges of the petals. As long as there are any signs of them in the houses it will be well to keep up a regular fumigation with the stems and pyrethrum powder once every two weeks. Be sure to have the flowers picked as closely as possible before fumigating, as it greatly reduces the keeping qualities of the flowers.

Every grower of carnations should look upon thrips as an exceedingly dangerous enemy and should fight them from the start. There may be some growers who have escaped thus far, but a careful look over the plants in almost any section of the country will reveal their work. They are not likely to be disseminated by the interchange of cuttings, but they seem to be like the aphis and red spider, ready to go to work wherever there is a plant upon which they can feed. In the greenhouse they seem manageable; outdoors they are a menace to carnation growing and it is to be hoped that our experiment station experts will take up the study and devise some practical method for their extermination.

ALBERT M. HERR.

New York.

DECKS CLEARED FOR ACTION ON CONVENTION MATTERS.—PREPARATIONS PROGRESSING APACE.—SPECIAL MEETING OF THE CLUB ON MONDAY EVENING.—VARIOUS MATTERS.

Business having come to a standstill in the city, replanting having been generally attended to in the suburbs, the European tourists having about all departed, everything is now clear for steady convention preparatory work. Little else is talked about, in fact. The souvenir book is, at last, on the press and the committee that has worked so industriously on this feature have taken time for a breathing spell and left the ground free for the entertainment committee, which is taking full advantage of its opportunity and making as much bustle as half a dozen ordinary committees all together. Brooklyn and Manhattan have developed a sharp rivalry as to which shall make the deepest impression upon the lady visitors to the convention and it looks as though the ladies are booked for the biggest time on record.

The special meeting of the club next Monday night, in view of the short time yet remaining before the convention is expected to bring out a large attendance and very complete reports and estimates are expected from the working sub-committees. It is generally understood that in every department the prospects are of the rosiest character and everyone is full of enthusiasm. Secretary Stewart will be prepared to issue membership certificates and badges at the meeting to such as desire to take membership in the national society and avoid the crowd who will all want to pay at once on the opening day of the convention.

As indicated in our advertising columns, Wm. Ghormley succeeds to the business of Ghormley & Perkins, Mr. Perkins retiring from the firm. Mr. Ghormley's first season as a wholesaler has convinced him that the commission cut flower business calls for a high order of ability and some lively hustling as it exists in New York today.

E. Alvin Miller, of Jackson & Perkins Co., Newark, N. Y., accompanied by his wife, sailed from New York, July 14, on the steamer Pennsylvania, for Hamburg, intending to spend several months in Germany, Belgium and France. Mr. Miller is planning especially to visit the leading European rose growers.

The ninth annual excursion of P. L. Bogart's employees took place on Wednesday, July 11. It was a very merry crowd that the steamer Geo. Starr took aboard and their anticipations of a royal good time were fully realized.

H. D. Darlington, of Flushing, was married to Miss Mary F. Perpall, on July 17. How the heaths will bloom this season!

C. A. Dards sailed for Europe on Saturday, July 14.

London.

ROSES SHOWN AT ROYAL HORTICULTURAL SOCIETY'S MEETING.—THE MATTER OF MUTILATED LILIES.—SWEET PEAS AT THEIR BEST.—TRADE QUIET.—GENERAL CONDITIONS.

At the Royal Horticultural Society's meeting, July 3, the hall was again well filled with exhibits, roses being the leading feature. There were special prizes for several classes, which resulted in close competition. There were also good displays of hardy and other seasonable flowers. Sweet peas were well shown by Veitch & Sons; delphiniums and gaillardias came from Kelway & Sons; Messrs. Wallace staged lilies and Cannells' begonias were very good.

It has been the custom of growers to remove the anthers of Lilium Harrisii as soon as the buds open to prevent the pollen staining the flowers. At the very successful Richmond show in the last week of June, Sir Trevor Lawrence, president of the Royal Horticultural Society, remarked that he considers it a mutilation of the flower and that the R. H. S. will not in future recognize any exhibit containing a flower so treated. It is suggested that the soiling of the flowers could be prevented if the anthers were encased in tissue paper until after the plants are staged.

Sweet peas will be at their best the third week in July, the occasion of the sweet pea conference and the visit to the trial grounds of Hurst & Sons. The weather has been most favorable and all varieties have made strong growth. I have found a few instances in which the flowers would have been larger had the growth not been so vigorous, and in some cases the buds will drop when the development of the plant is too rapid.

The London season is now at an end and trade is very quiet; there is a superabundance of cut blooms and buyers have things pretty much their own way. The facilities for transportation are now so good that the shipping trade has grown amazingly and the ever present demand for flowers for funerals and weddings makes an outlet for white material. The use of flowers at funerals has increased wonderfully of late years. H.

Boston.

EXCELLENT MATERIAL SHOWN AT HORTICULTURAL HALL.—NOTES OF THE EXHIBITS AND AWARDS.—THE CAUSE OF BLUE HYDRANGEAS.—BUSINESS VERY QUIET.—STOCKS AVAILABLE.—COMMAND OF THE FAKIRS.—WEATHER HARD ON PARK PLANTATIONS.—NOTES.

On Saturday, July 14, there was an excellent exhibition of herbaceous flowers, ferns, etc., at Horticultural Hall. M. H. Walsh showed another of his Wichuraiana hybrids, one of the parents being Baroness Rothschild. The foliage is heavy and highly polished and the fragrant flowers, soft pink in color, are borne in long and full clusters. A certificate of merit was awarded. Kenneth Finlayson exhibited blooms of Gerbera Jamesonii, a brilliant, herbaceous flower from South Africa, which does not appear in Nicholson's dictionary. This also received a certificate of merit. As usual, the Blue Hill Nursery and Rea Bros. sent fine collections of hardy garden flowers comprising about fifty species each. A tank of hardy aquatics from Mrs. J. L. Gardner attracted much attention. D. F. Roy showed the best tuberous begonia flowers seen here for a long time; E. C. Lewis, Mrs. J. B. Lawrence and W. J. Clemsen staged sweet peas and there was quite a good display of hollyhocks from Jos. S. Chase, E. C. Lewis and C. F. Curtis. W. J. Clemsen showed a table of fine Japanese irises. Seven magnificent specimens of Hydrangea Otaksa completely filled the center area of the hall. They were from H. Dumaresq. Three of them were each eight feet in height and of equal diameter. The flowers in these three were deep blue, while the smaller sized plants bore flowers of bright pink, with one exception, which bore flowers of both colors. W. Downs, the gardener, on being asked as to the variation in color asserted that the plants were all from identical stock and said that he attributed the result in the case of the blue flowers to the fact that the plants had become pot bound. Starvation, and not the presence or absence of iron or any other subject is, in his opinion, the cause of blue flowers in hydrangeas. Arthur Griffin brought two handsome hybrid melons for which he received a certificate of merit, and Oakes Ames was given a silver medal for a cypripedium seedling named W. R. Lee.

Business in general is unusually quiet, even for midsummer. The demand for flowers for the summer resorts, heretofore brisk at this date, amounts to nothing. So many people have gone to Europe this season that little improvement is looked for in this respect. Roses are of very poor quality, with the exception of Kaiserin Augusta Victoria and President Carnot. Carnations are abundant and low priced, but lily of the valley is of excellent quality, not too plentiful and therefore holds its value well. Pond lilies are now at their height. The pink variety is most salable but at times they are not all marketed and then the ever ready street fakirs get them at nominal figures. It takes a man with a Napoleonic will to control this street horde. When they swoop down, thirty or forty strong on the wholesale house they are worse than an army of Boxers. I saw David Welch the other day clear the store in the space of thirty seconds and was filled with admiration of his superb generalship. Just one majestic sweep of his arm with "Come, boys, move on," and the long rows that had been roosting on the counters and blocking the passage ways, melted away like magic and without a word of remonstrance.

The dry weather of the past few weeks has been very hard on newly planted material in parks and gardens. There has been considerable rainfall, but it has come in sudden, brief showers and did not sink into the soil. A steady rain of several days is much needed. The Michigan prairie roses are making a magnificent show just now on the parkway at Forest Hills. They are planted with an undergrowth of Wichuraiana and, both blooming at the same time, the effect is beautiful. Mr. Pettigrew's method with the prairie roses is to cut out all the old wood as soon as it is through flowering,

depending upon the young growth entirely for next season's bloom. The pond lilies are doing finely in Ward's pond. There are fully 300 blossoms open every day and they attract much admiration.

Thomas F. Galvin has just returned from a short trip to Europe.

In town: G. W. Hilliard, Exeter, N. H.; F. C. Jackson, Philadelphia; Mr. and Mrs. Jos. Fuller, Leominster; Mrs. H. Berger, New York.

Chicago.

STATE OF THE MARKET.—DEMAND VARIABLE AND SUPPLY HEAVY.—MATERIAL AVAILABLE.—DOINGS DOWN INDIANA WAY.—CARNATIONS ARE TO SUPPLANT CUCUMBERS—VISITORS FROM AFAR.—WHOLESALER PLANS A LONG OUTING.—REINBERG MAKES CHANGES.—ON TO NEW YORK.—VARIOUS ITEMS.

Trade has gone by fits and starts this week. The demand is exclusively for funeral material; city trade is very light and shipping trade the greatest reliance of many houses, but there isn't enough of it to go around. Once or twice this week the orders have come in at such a rate that everybody worked for an hour or two, but it was soon over, and quiet has prevailed for the greater part of the time. As to supplies, there are very few Beauties and not nearly enough good tea roses, although there are thousands of rubbishy buds which are almost worthless, the street fakirs being able to do very little with them. There is a superabundance of carnations, even of whites, which were scarce last week. There are sweet peas to throw away, many sales being made at a cent a bunch. The only grower whose stock sells out well is C. W. Northrup, of La Grange, one of Kennicotts' consignors, whose flowers are so good and so carefully bunched that the light colored sorts are always chosen where sweet peas are wanted. There are almost as many gladioli as there are sweet peas. Asters are in and the good ones sell fairly well, at the expense of the carnations, no doubt. Auratum lilies are holding up well but longiflorums move slowly; to many it seems like a mistake to prolong their season.

Last Sunday E. C. Amling visited the South Park Floral Company at New Castle, where a splendid new range of houses is now completed and planted with 20,000 Beauties, all except one house, in which there is a new red rose which is to be offered to the trade this season. All the old houses are also replanted and the stock well forward. They have carried over two houses each of Brides and Bridesmaids, with which they have been particularly successful. One of the wonders of the place is the new well of natural gas struck last week. The flame is fully thirty feet high and the rock pressure 275 pounds. Messrs. Heller and Dittman accompanied Mr. Amling to Richmond for a visit to E. G. Hill and his sister, Mrs. Graves, who has such remarkable success with carnations. All these growers are consigning stock to Mr. Amling.

Nic Reading has bought an establishment of six houses of John Zender at Rogers Park. Mr. Zender has been growing vegetables near his brother, Adam Zender, on Ridge avenue boulevard, but Mr. Reading, who has been growing Beauties for John Muno, will essay carnations as soon as he can clear out the cucumbers now in the houses.

Among the week's visitors was E. R. Roberts, superintendent of the parks of Tacoma, Wash. The system embraces some 800 acres and the rose display is superb. Mr. Roberts says that when he left home 150,000 plants were in full bloom, a showing of 125 varieties. They have had no glass in the parks but will this season put up a house 25x200.

E. E. Pieser has been in town this week. He is feeling fine after his stay at West Baden, just right, in fact, to enjoy the trip upon which he expects to start on Tuesday, doing Mackinac Island, Marquette, Buffalo, the Thousand Islands, New York and Boston, returning about September 1.

A. C. Kohlbrand, who has been with "Mosco" for the past few months, will go to work for E. C. Amling after a brief vacation. For a long time, and up to the date at which they ceased selling for themselves, Mr. Kohlbrand attended to the disposal of the cut of the Klehms' Nurseries; later he was with Kennicotts.

Out at River Forest, F. Calvert & Son report a good business. They have 20,000 feet of glass and are right beside the north shore electric railway, which has built a platform at their place and lands customers at their very doors. They say that they have a very large demand for material for ferneries.

George Reinberg's wholesale store is being remodeled and rearranged to give greater convenience and enlarged selling capacity. Mr. Reinberg is now cutting some of the best roses in the market, Kaiserin, Meteor, Perle and Beauty.

A. N. Kinsman and his son, of Austin, Minn., were in town for several days this week. They rode from Austin to Milwaukee on their bicycles and came to Chicago by boat, intending to return in the same way they made the first half of their journey.

Word has been received that C. W. McKellar's father died at Chillicothe, O., at 3 o'clock on Wednesday afternoon, July 18. The funeral will be held this afternoon, Saturday, at 4 o'clock, and Mr. and Mrs. McKellar will arrive home on Monday.

A. G. Prince will probably attend the convention. Mr. Prince, in a foot race at the Royal League picnic last week won the first prize, a $65 sewing machine. Prince's bookkeeper, Miss Wilson, is taking her vacation this week.

Nic Wietor is at home from his fishing trip and reports excellent luck. He is now awaiting the call to start for the S. A. F. convention and will be accompanied by their foreman, Luke Collins.

Miss Lizzie Joho, bookkeeper for J. T. Corbrey during his wholesale days and later in charge of the books at McKellar & Winterson's, is now keeping the accounts at Amling's.

Weber Brothers are now cutting very good new Brides and Bridesmaids, to which they will devote their newly rebuilt place, selling through J. A. Budlong.

The Chicago committee has selected the L. S. & M. S. R. R. for the trip to the New York convention. Details of the arrangements appear elsewhere.

O. P. Bassett has taken a cottage at Delavan, Wis, and is installed there for the season. C. L. Washburn is taking his outing piecemeal.

Carl Trager, gardener at the Montezuma Hotel, Los Vegas Hot Springs, New Mexico, is spending a six weeks' vacation here.

Among the visitors have been A. E. Crooks, of Benton Harbor, and Chas. Dutton, of Holland, Mich.

Philadelphia.

LITTLE DOING IN A BUSINESS WAY.—STOCK AVAILABLE.—VISIT OF WESTCHESTER GARDENERS.—PERSONAL DOINGS.

There is little to talk about. Many of the hustlers are away on vacations or taking flying trips to the sea shore and business in all lines is almost at a standstill. The past few days have almost broken the heat record. The greenhouses are too hot to work in at the middle of the day; at many places work commences in daylight and the middle hours of the day are passed in rest. The stock of cut flowers is about the same as last week. Kaiserin roses are becoming more plentiful and asters are growing better. Craig & Son are cutting Japan lilies in variety and they help to give character to many a funeral design.

The Westchester County Gardeners' Association of New York paid a flying visit to the city last Wednesday. Thos. Meehan & Sons' nurseries and Fairmount Park were their objective points. Messrs. Meehan & Son showed their visitors through their establishment, after which they were taken in tally-hos over the celebrated Wissahickon drive and through the park. This parkway along the Wissahickon creek is one of the finest drives in the world. The scenery is all natural, there being nothing done to ornament it in any way, save to make a good roadway and deep it sprinkled. Trees shelter almost every yard of its seven miles and the creek lies either on one side or the other of its entire length. The party took a late train home, much pleased with their trip.

D. D. L. Farson has been acting as agent for the New York club's souvenir in this city and reports having taken quite a lot of orders for space.

Commodore John Westcott is off with a squad of the boys to the Waretown fishing grounds. K.

New Haven.

BUSINESS QUIET.—OUTDOOR STOCK GOOD.—VACATION TIME.—LONG GOES TO EUROPE.

Business has been very quiet during the past two weeks, for the flower buying public has gone to the summer resorts and all that is left for the florist is an occasional funeral order. Outdoor flowers, such as asters and sweet peas, are in large supply and of good quality.

W. H. Long, of Chapel street, has sailed for Europe, intending to be absent for two months. He will visit the Paris Exposition and some of the growers in Holland.

Mr. and Mrs. J. N. Champion are at the Pequot House, Morris Cove, for the season.

Recent visitors: Jas. Beach, Bridgeport; Mrs. D. C. Lines, Milford.

G. H.

RICHMOND, IND.—E. G. Hill has returned from his European trip.

MIDDLEBORO, MASS.—T. F. Creedon, who has been employed at the L. P. Thatcher greenhouses for the past twenty-two years, has purchased the establishment and will conduct the business for himself hereafter.

GREEN BAY, WIS.—Meyers & Detgen, who recently embarked in business here, have two houses and are planning to build two more. Mr. Meyers will live at the greenhouses and watch the stock while Mr. Detgen will do the selling at their Pine street store.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

THERE is a pronounced shortage of small and medium sized window glass.

THE sweet pea show of the Hampden County Horticultural Society will be held at Springfield, Mass., July 24.

THE business of the S. A. F. convention at New York will commence Tuesday morning, August 21, and close Friday evening, August 24.

THOMAS W. LAWSON has been attending the Grand Circuit races at Detroit this week and to a reporter who accused him of the act, he admitted that he paid $30,000 for the Lawson carnation but contended that the deal brought $14,000 profit and that he then gave the flower back to Thomas Galvin!

Better than Circulars.

AM. FLORIST CO.—I started in the florist business last season and I spent a few dollars for an advertisement in your valuable paper that did me more good than all the circulars I sent out.

J. G. BARROW.

Cohasset, Ala., July 16, 1900.

Greenhouse Building.

Philadelphia, Pa.—Robert Craig & Son, two carnation houses. Jas. H. King, conservatory.

Tacoma, Wash.—City Parks, house 25x200.

Ironton, O.—Mrs. E. Miller, violet house 12x100.

Kalamazoo, Mich.—Kalamazoo Nursery and Floral Co., four houses 10x100.

Oceanic, N. J.—C. N. Bliss, range of houses.

Champaign, Ill.—State University, two houses 18x30.

New York, N. Y.—F. Nussbickel, conservatory.

No. Beverly, Mass.—J. F. Potter, commercial house.

No. Adams, Mass.—T. D. Brown, conservatory.

Waterbury, Vt.—H. G. Hayden, forcing house.

Leominster, Mass.—Geo. M. Kendall, cucumber house 75x275.

Whitinsville, Mass.—Mrs. J. C. Whitin, conservatory.

Stoneham, Mass.—A. Christensen, one house.

Millville, N. J.—Eugene Hughes, one house.

Providence, R. I.—M. Sweeney, palm house.

Green Bay, Wis.—Meyers & Detgen, two houses.

American Carnation Society.

CARNATIONS REGISTERED.

By Dailledouze Bros., Flatbush, N. Y., Delight, a clear satin pink, midway between Daybreak and Mrs. Jas. Dean, without the slightest trace of purple. A profuse bloomer and will make a commercial variety in every particular.

ALBERT M. HERR, Sec'y.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Arthur Griffin, Newport, R. I., registers the following hybrid melons: Griffin's hybrid, a cross between Blenheim Orange and Emerald Gem; scarlet flesh; exterior cream color, smooth, slightly ribbed; average weight, four pounds. Sea Verge, a cross between Scarlet Invincible and Triumph; scarlet flesh; exterior light green, oval, smooth, finely netted; average weight, five pounds.

M. H. Walsh, Woods Holl, Mass., registers new rambler rose, Sweetheart, a cross between Wichuraiana and Bridesmaid; flowers double, two and one-half inches in diameter, borne in profuse clusters. The buds are a beautiful pink, the expanded flowers white, very fragrant and perfectly hardy.

M. H. Walsh, Woods Holl, Mass., registers new rose Debutante, a seedling of Wichuraiana crossed with Baroness Rothschild; flowers pink, double, fragrant, produced in profuse clusters. A climbing rose of unquestioned hardiness.

WM. J. STEWART, Sec'y.

Chicago to New York.

The committee on transportation has arranged with the Lake Shore and Michigan Southern Railroad for a special train to convey the Chicago Florists' Club to the New York convention. It has been arranged that the train will leave Chicago at 3 o'clock on the afternoon of Sunday, August 19, reaching Niagara Falls at 8 a. m. Monday, where it will remain for an hour and a half to permit those who wish to make the trip down the gorge on the electric railway. The train will arrive at the Grand Central Station, New York, early Monday evening.

The return journey offers the choice of several routes. The trip may be made by rail, or by boat up the Hudson to Albany, one of the prettiest rides in America, and thence by rail. Stop-over at Buffalo is granted, and one may, if he chooses, travel from Buffalo to Cleveland, Toledo or Put-in-Bay by boat.

The special train will consist of solid, wide-vestibuled buffet, chair cars and sleepers, and it has been arranged that a fine new dining car with a well stocked larder will accompany it through to New York. Tickets going will cost $20; the return ticket, if the purchaser has a certificate, costs $6.70, and will be good for four days after the close of the convention.

The Chicago committtte hopes that every one passing through Chicago to the convention will arrange to join the Chicago delegation, and that the representatives of eastern cities may be picked up enroute. The special train will make the fewest possible stops, but will be halted wherever there are convention-bound florists who wish to board it. Toledo will be reached at 10:30 p. m. Sunday and Cleveland at 2 a. m. Monday. At the latter point it is hoped to arrange to pick up a special sleeper in which those who join the train there may be passing the night in sweet repose. The Chicago committee or L. F. Vosburgh, city passenger agent of the L. S. & M. S. R. R., who will personally conduct the party, will be pleased to correspond with any one wishing to arrange to travel with the Chicago club.

Preliminary Convention Bulletin.

The sixteenth annual convention of the Society of American Florists will be called to order at 10:30 a. m., Tuesday, August 21, at Grand Central Palace, New York, continuing to Friday, August 24. The following is the preliminary programme:

FIRST DAY—OPENING SESSION, 10.30 A. M.

Address of welcome.
Response.
President Wood's address.
Appointment of exhibition judges.
Reports—Secretary, treasurer state vice-presidents, purchase, legislative, claims and special committees.
Miscellaneous business.

AFTERNOON SESSION, 2 P. M.

Ladies' drive, conducted by members and ladies of the New York Florists' Club.
At 3 p. m. the judges will examine and prepare their report upon the trade exhibit. Exhibition closed during judging.
Annual meeting of the Florists' Hail Association of America at 4:30 p. m.

EVENING SESSION, 8 P. M.

President's reception at the convention hall, under the auspices of the New York Florists' Club.
Lecture, "Floral Decorations," with stereopticon views, Robert Kift, Philadelphia, Pa.
Refreshments and dancing.

SECOND DAY—MORNING SESSION, 10 A. M.

Report of exhibition judges.
A paper, "Greenhouse Construction, from the Open Land to the Finished Structure," J. D. Carmody, Evansville, Ind.
Discussion.
Selection of place of meeting for 1901.
Nomination of officers.
Discussion, "The Welfare of Our National Society," opened by Robert Craig.
Discussion, "The Rose," opened by E. G. Hill, Richmond, Ind.

AFTERNOON SESSION, 3 P. M.

Annual meeting of the Chrysanthemum Society of America.
Meeting of the American Carnation Society.
Shooting tournament. Full details in official convention programme.

EVENING SESSION, 8 P. M.

Address, "American Floriculture, Retrospective and Prospective," Prof. B. T. Galloway, Chief of Division of Vegetable Physiology and Pathology, United States Department of Agriculture, Washington, D. C.
Lecture, "The New York Botanical Garden," with stereopticon views, Dr. N. L. Britton, New York.

THIRD DAY—MORNING SESSION, 10 A. M.

Action on proposed amendments to the Constitution and By-Laws. Ex-President W. N. Rudd moves to amend by striking out, wherever they occur, the words, "And Ornamental Horticulturists."
Election of officers.
A paper, "The Improvement of the Carnation," Wm. Weber, Oakland, Md.
Discussion
Address, "Come to Baltimore," Wm. Frazer, Buxton, Md.
Excursion to Glen Island, by invitation of the New York Florists' Club.

FOURTH DAY.

Bowling tournament under the management of the Florists' National Bowling League. Full details in official convention programme.

A special railroad rate of a fare and one-third has been authorized by all roads. Do not fail to get your certificate.

The New York hotels are usually well filled in August, but there are a number in the vicinity of the convention hall where all can find comfortable lodgings. If you wish the committee to secure rooms for you address S. S. Butterfield, Box 1697, New York, specifying the grade of accommodations wanted.

There will be the usual exhibition of photographs. All persons having photographs of floral decorations or designs are invited to send them to the convention hall in care of the secretary.

The trade exhibition promises to be the best on record. A very large amount

of space has been reserved and intending exhibitors should make haste in making application for room. Special arrangements have been made for the accommodation, free of all charge, of stock for exhibition only. F. Sander & Co., St. Albans, England, offer a valuable cup for the most creditable exhibit. A special committee will judge this class.

A great horticultural exhibition will be held at the same time and place as the trade exhibition, and except in the case of a number of valuable special prizes the awards will consist of the S. A. F. medals and the medals and certificates of the New York Florists' Club. Schedules and rules governing the exhibition may be had by addressing J. A. Manda, 209 Valley street, Orange, N. J.

Catalogues and Cut Flower Price Lists Received.

Harlan P. Kelsey, Boston, Mass., roots and seeds; Alexander Seed Co., Augusta, Ga., flower seeds and bulbs; Ant. Van Velsen & Cie, Haarlem, Holland, plants, bulbs and roots; Smith & Menzel, Aldgate, South Australia, trees, shrubs, plants, seeds, etc.; James Vicks' Sons, Rochester, N. Y., wholesale price list; Wm. F. Kasting, Buffalo, N. Y., cut flowers; New York Market Gardeners' Association, New York, N. Y., price list seeds and plants.

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a reliable florist, as foreman or to take charge; lifetime experience; English, married. R, care Am. Florist.

SITUATION WANTED—By practical grower general cut flowers and mushrooms. Ten years in last place. References Address FLORIST, 1613 North Clark St., Chicago, Ill.

SITUATION WANTED—As gardener, to take full charge; well up in growing flowers, fruits and vegetables. Best of references. Married, no family. Address F F, care American Florist.

SITUATION WANTED—As foreman in a large establishment where good wages are given, by a practical man in all departments; 26 years' experience; 3 years in last place. Good references. State wages, etc. Address D F N, 249 N. Tenth St., Philadelphia, Pa.

SITUATION WANTED—By German, single, steady and sober; first-class grower of roses, carnations, 'mums and violets. American Beauties a specialty. Best of references from employer; 18 years' experience in this country. Would like a steady position; could take charge. L. MILLER, 168 Sheriff St., Cleveland, O.

WANTED—An experienced assistant propagator. Address EAST, care American Florist.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS B. BULL, Bakersfield, Cal

WANTED—A single florist who also can grow mushrooms successfully. Send references and state wages expected CHRIS HANSEN, St. Paul, Minn.

WANTED—An assistant for good commercial place. State lowest wages Only honest and sober man need answer. German preferred. Address PAUL LIEBSCH, Batavia, N. Y.

WANTED—Florist, single, German, to grow cut flowers and general greenhouse stock Address SAGINAW GREENHOUSE, 1317 N. Michigan Ave., Saginaw, W. S., Mich.

WANTED—Experienced man for general greenhouse work on retail place. State wages with or without board. References. Address MICHIGAN, care American Florist, Chicago.

WANTED AT ONCE—A young with some experience in greenhouse work; must be willing to take care of horse. State wages wanted with board. Address FRED. J. KING, 220 Madison St., Ottawa, Ill.

WANTED—A first-class florist who understands the growing of roses, carnations, 'mums, violets and bulbous stock. Must give good references Single man preferred. Address with references and wages, KRUMM BROS, St. Joseph, Mo.

WANTED—For a southern seed house, a practical seedsman who thoroughly understands the packet seed trade and will up on the bulk business. Address, stating salary wanted and give references to SOUTH, care American Florist, Chicago.

WANTED—At once, a sober, industrious and competent florist to take charge and do growing in two new houses, roses and carnations; single man preferred. State wages wanted and give references immediately. J. W. BERNARD, Marion, Ind.

WANTED—A first-class plantsman; must be well posted in ferns cyclamens, primulas, begonias, and a good propagator of general bedding stock. Good references required. A single man preferred. State wages expected. Apply to WM NICHOLSON, Pleasant Hill Conservatories, Framingham, Mass.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds and barn. Bargain. Address W. L. WINN, White Hall Ill.

FOR SALE—Some extra good second-hand 3-inch pipe, at 6c per foot; also some 4-inch. Secure it while it lasts. W. H. SALTER, Rochester, N. Y.

FOR SALE—Free fuel, 5000 feet glass Great chance for florists or gardeners. Only $500 cash. Account sickness Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Greenhouse containing 6000 feet of glass with house and barn in connection. Everything in good condition and well stocked. One-fourth cash, balance time. FRED PLAGGE, Elgin, Ill.

FOR SALE—At reasonable price, four greenhouses with stock, heated by steam, near four cemeteries; no opposition. Electric cars pass the office. Reason for selling, age. Address INDIANA, Care American Florist.

FOR SALE—Rare chance to a reliable grower and greenhouse man. In city of 20,000, half interest in established business. 5000 feet of glass, hot water. Have other business. Fine opportunity. E F C, care American Florist.

FOR SALE—In A1 condition, fully stocked, 5000 feet of glass on four lots in best part of city. Well established and doing good business. Cheap fuel and no competition for sixty miles. Owner has other business and can not give personal attention. Don't answer unless you mean business Address ILLINOIS, care American Florist.

Situation Wanted.

A competent greenhouse foreman or manager is open to engagement. Good plantsman, with special knowledge in the growing of roses, carnations and chrysanthemums. Best of references. Address

A B C, care American Florist.

D. J. Murphy, Eastern Ave. Conservatories, Springfield, Mass., would like to get catalogues, price lists, etc., from the trade.

To Rent GREENHOUSE PLANT

Of 8 Houses, all in operation, situated in Iowa. Address

"IOWA," care of American Florist, Chicago.

FOR RENT.

Greenhouses suitable for Carnations or Lettuce; 12,000 feet of glass, with ¾ acre of ground; 8 miles from center of Chicago; good R. Rs. and trolley lines.

Address **Vaughan's Seed Store, Chicago.**

FOR SALE

One hundred clumps of hardy Marguerites and two hundred fine clumps of seedling Smilax; 6000 Flower Pots, size from 2 to 10-inch, for sale at a bargain; the property for sale, five houses, brick dwelling, 6¾ acres of land, in a thriving city; finest place for business that could be wished for; all conveniencies necessary. For sale at a bargain, on account of poor health. Address **PAULENA BUCHELER, Oconomowoc, Wis.**

FOR SALE

Thirteen (13) Greenhouses, situated in city of Allegheny, Pa., containing twenty-three thousand (23,000) square feet of glass. All steam heated and in good running order. Will sell houses at low price and lease dwelling and land, or will sell entire plant. Possession immediately. Address

J. M. REEVES, Warren, O.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE With 10 Year Lease,

One of the best places in Chicago.

Modern store with fine, large show house fronting 50 feet on West Madison street, opposite Albany avenue. This is an ideal location, being in the center of the best population on the West Side. Everything is new and perfect, having been built by me, and for my own use, less than eight months ago. I also have one of the finest delivery rigs in the city. I will also lease, very cheap for 10 years, one acre of land in Oak Park and near Madison street; it is fine for growing and is now planted with outdoor stock. My health compels me to sacrifice my business and go west and if you want a fine place and a money maker, see mine; it must be seen to be appreciated.

T. J. CORBREY,
1409-1411 W. Madison St., CHICAGO.

FOR SALE

On western coast of Michigan, two lots, two greenhouses, all modern appliances, in excellent condition. Good business location. Good opportunity for energetic man. Price $2,200.00. Write for particulars.

For sale or rent, near Erie, Pa., lot 100x150, large two story dwelling and four greenhouses almost new. Good glass and well heated. Excellent business location. Price $2,000.00, easy payments. Write for particulars.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box 869. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,
233 Mercer St. NEW YORK.

NOTICE

—OF—

STOCKHOLDERS' MEETING.

CHICAGO, July 21, 1900.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Murray Hill Hotel, New York, N. Y., Wednesday, August 22, 1900, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

F. R PIERSON, Pres.
M. BARKER, Sec'y.

Always mention the.....

American Florist

when writing advertisers.

Washington.

HOT WEATHER ON IN FORCE.—GOOD ROSES.—VACATION FISHERMEN.—JOTTINGS.

The hot wave is upon us in full blast, the mercury hovering about the 100° mark in the shade. Trade is almost at a standstill and everybody is looking for a cool spot With all this heat A. Gude & Bro. are cutting some fine roses, such as La France and Kaiserin.

F. H. Kramer and party of six, including Heinrich Gottenkenny, of Gudes', and George C. Shaffer, of Blackistone's, have gone on a week's fishing trip to Harpers' Ferry, by way of the Chesapeake & Ohio Canal, traveling in a steam launch.

Hon. E. A. Seidewitz, Mayor of Annapolis, Md., was in town the other day and is very enthusiastic about the coming convention of the S. A. F.

Wm. H. Smith, of Gudes', is rusticating at Colonial Beach, about eighty miles down the Potomac river. P. G.

UTICA, N. Y.—Peter Crowe has sold a one-half interest in his business to T. E. Murphy and W. H. Toomey. The establishment will hereafter be designated as that of Crowe & Co.

Wholesale Flower Markets

CINCINNATI, July 19.

Roses, Bride	2.00@ 4.00
" Bridesmaid	2 00@ 4 00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1 00
" fancy	1.50@ 2.00
Gladiolus	4.00
Stocks	2 00
Sweet peas	.25
Tuberoses	3 00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Asparagus	50.00

ST. LOUIS, July 19

Roses Bride, Bridesmaid	2.00@ 4.00
" Meteor	2 00@ 5 00
" Perle	2.00@ 3.00
Carnations, common	.75@ 1.00
" fancy	1 50@ 2.00
Ismene Lilies	4 00@ 5.00
Smilax	12.50
Adiantum	.60@ 1.00
Hollyhocks	1.00
Tuberoses	4 00@ 5 00
Gladioli	2.00@ 4 00
Asters	1.00@ 1.50

MILWAUKEE, July 19

Roses, Beauty, medium per doz.	1 50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	4.00@ 5.00
" Kaiserin	4.00@ 6 00
Carnations, ordinary	.50@ 1.00
" fancy	2.00
Auratums lilies	15.00
Adiantum	.75@ 1 00
Common ferns	25
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Sweet Peas	.20@ .25

PITTSBURG, July 19.

Roses, Beauty, fancy	20.00@25.00
" " extra	10.00@15 00
" " No. 1	5 00@ 8 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	2.00@ 8.00
" Meteor	2.00@ 8.00
" Perle	2.00@ 6.00
Cusin	2.00@ 4.00
Carnations, ordinary	.60@ .75
" fancy	1 00@ 1.50
Lily of the valley	2 00@ 4.00
Harrisii	8 00@10.00
Sweet peas	.10@ .50
Daisies	.25@ 1.00
Smilax	12 50@15 00
Gladiolus	2.00@ 6.00
Adiantum	.75@ 1.00
Asparagus	35 00@50.00
" Sprengerii	.25@ .35
Dagger Ferns	1000, $2 00
Asters	1.00@ 3.00

DENVER, July 18

Roses, Beauty, select	12.50@20.00
" " ordinary	4.00@ 8.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	5.00@ 6.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.00@ 1.50
" fancy	1.50@ 2.50
Lily of the valley	4.00
Callas	12 50
Harrisii	12 50
Sweet peas	50@ .35
Asparagus	60.00
Smilax	18.00
Ferns	

Everything in the **CUT FLOWER** line.

WIRE WORK, the kind that will give satisfaction.

and a complete line of **FLORISTS' SUPPLIES.**

HOLTON & HUNKEL CO.,

P. O. Box 103. Milwaukee, Wis.

When writing mention the American Florist

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

C. C. POLLWORTH CO., Milwaukee, Wis.

Please Mention American Florist.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Street, ALL FLOWERS IN SEASON. PITTSBURG, PA.

GALAX LEAVES, Brilliant Bronze or Green, $1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

NEW CROP Northern Ferns

NOW READY, 50 cts. per 1000. LAUREL FESTOONING, 4c to 6c per yard. Best goods always.

CROWL FERN CO., Millington, Mass.

BOSTON FERN ...A... SPECIALTY.

L. H. FOSTER, 45 King St., Dorchester, Mass.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

....AN....

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO, ILL.

Roses ALL FLOWERS IN SEASON **Carnations**

When you want them.
As you like them.

E. C. AMLING,

Wholesale Cut Flowers,

32-34-36 Randolph St. CHICAGO.

McKellar & Winterson's
Modern Supply House.

Send for Prices on all Supplies.
Clearance Sale Now On.

Give us your order now together with your needs in
CUT FLOWERS.

McKELLAR & WINTERSON, 45-47-49 WABASH AVE., **CHICAGO.**

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND & RISCH

We are large Growers and Shippers of CUT FLOWERS
ALL THE NEW VARIETIES.
YOUR BUSINESS SOLICITED.
59 WABASH AVE., CHICAGO.
WHOLESALE FLORISTS

GEO. REINBERG,

Wholesale Grower of Cut Flowers.
BEAUTIES, ROSES, CARNATIONS.
All stock at lowest market rates. Send in your orders.
51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, July 20.

Roses.	Beauty,	extra long stems	3.00
"	"	30 inch "	2 50
"	"	24 " "	2.00
"		20 " "	1.50
"	"	15 " "	1 25
"	"	12 " "	1.00
"	"	8 " "	.75
"	Bride, Bridesmaid.		3.00@ 5 00
"	Perle		3.00@ 5.00
"	Meteor		3.00@ 5.00
"	La France		4 00@ 5.00
"	Golden Gate		6.00@ 8 00
"	Liberty		6.00@ 8.00
Carnations			.75@ 1.00
"	fancy		1.50
Lily of the valley			3.00@ 5.00
Mignonette			2.00@ 6.00
Harrisii			10.00@15 00
Callas			8.00@10.00
Sweet peas			.50
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			8 00@12.00
Asparagus			50.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO
S. E. Cor Wabash Ave. and Randolph St.

Say: "Saw it in the FLORIST."

E. H. Hunt

THE "OLD RELIABLE" FOR
WHOLESALE
CUT FLOWERS

Hunt's Flowers
Go Everywhere

76 Wabash Ave., CHICAGO.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers.
500,000 FEET OF GLASS.
Headquarters for American Beauty. Cernations, Blooms and Cuttings.
51 Wabash Ave., - CHICAGO, ILL.

J. B. DEAMUD,

Wholesale Commission Florist,
51 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

A. L. RANDALL

Wholesale Florist

Don't Forget that we are at 4 Washington St., Chicago.
Write for special quotations on large orders.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,
Wholesale Commission Florist
41 Randolph Street, CHICAGO.
Consignments solicited.....

A. G. PRINCE & CO.

Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.
76 & 78 Wabash Avenue,
Telephone Main 3208. CHICAGO.

Please mention the American Florist.

Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

AM. BEAUTIES AND VALLEY OUR SPECIALTIES.

DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

CITY HALL CUT FLOWER MARKET, 9 Chapman Place, 15 Province Street, BOSTON, MASS.

WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

8,000,000

Hardy Cut Ferns

Now is your time to buy at 40c per thousand in five or ten thousand lots, 50c per thousand for less. Sphagnum Moss, 50c per bbl; Bouquet Green, 4c per pound. Laurel Roping, $4.00 per 100 yards. All orders by mail or despatch promptly attended to.

THOMAS COLLINS,
Hinsdale, - Mass.

Carnation Blooms

In Unlimited Quantities

SHIPPED TO ALL POINTS.

Chicago Carnation Co., JOLIET, ILL.

Geo. A. Sutherland, Boston Flowers.

WHOLESALE DEPOT FOR

All Florists' Supplies,

Price lists mailed. 67 BROMFIELD ST., BOSTON, MASS.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

JOBBERS IN FLORISTS' SUPPLIES

N. F. McCarthy & Co.

FLORISTS' VASES.

Horticultural Auctioneers.

84 HAWLEY STREET, BOSTON.

SHIPPING LABELS FOR ....Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

It is good business policy to mention the ...AMERICAN FLORIST when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, July 18.

Roses, Tea	1.00@1.50
" " extra	2.00@4.00
" Beauty, extra	10.00@15.00
" " firsts	5.00@8.00
Carnations	.25@.75
" fancy	1.00@1.50
Lily of the valley	2.00@4.00
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.50@.75
Sweet Peas	.20@.30

BOSTON, July 18

Roses, Beauty, extra	20.00@25.00
" " medium	4.00@6.00
" " culls	1.00@2.00
" Bride, Bridesmaid, Meteor	.50@3.00
" extra	3.00@5.00
" Kaiserin	6.00@8.00
Carnations	.50@1.00
Lily of the valley	3.00@4.00
Longiflorums	4.00@6.00
Sweet peas	.10@.15
Smilax	10.00@12.00
Asparagus	50.00
Hardy ferns	.20

GIVE US A TRIAL, WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist, 481 Washington St., Buffalo, N. Y.

Also Dealer in Florists' Supplies & Wire Designs.

C. A. KUEHN, Wholesale Florist,

1122 PINE STREET, ST. LOUIS, MO.

A complete line of Wire Designs.

Please mention the American Florist when writing

H. G. BERNING Wholesale Florist,

SUCCESSOR TO

ST. LOUIS CUT FLOWER CO....

1322 Pine St., ST. LOUIS, MO.

Woodroffe & Bernheimer, Wholesale Florists

1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

LEO. NIESSEN, Wholesale Florist,

N. W. COR. 13TH AND FILBERT STREETS.

LONG DISTANCE 'PHONE 3-45-94 D. PHILADELPHIA, PA.

Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

32 South 17th Street, PHILADELPHIA, PA.

Long Distance 'Phone 1-41-26 D.

Consignments of Roses, Carnations, Violets solicited.

CHAS. B. STAHL *Wholesale Florist,*

27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

Our Greenhouses at PLEASANT HILL, MO.

Our Store, 906 Grand Ave., KANSAS CITY, MO.

LONG DISTANCE 'PHONE AT EITHER PLACE

JOHN B. FERGUSON, Wholesale Florist,

5515 Fifth Ave, PITTSBURG, PA.

LONG DISTANCE 'PHONE 2985.

Consignments of Roses, Carnations and Violets, Solicited.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

J. M. COHEN, Florist,

Telephone 2385.
CONSIGNMENTS SOLICITED.

22 Chapman Place, BOSTON, MASS.

TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

YOUNG & NUGENT,
Wholesale Commission Florists.
JUNE SPECIALTIES. Orchids, Roses, Carnations.
Telephone 2065 Madison Sqr. 42 West 28th St., NEW YORK CITY.

THOMAS YOUNG, Jr.
Wholesale Florist,
New Telephone No. 1803 Madison Square.
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WILLIAM GHORMLEY,
Wholesale Commission **Florist,**
New and Commodious Establishment at *57 West 28th St., NEW YORK.*
Prepared to handle large or small consignments of cut flowers to growers advantage
Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
51 W. 28th Street, NEW YORK.
New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets and Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
.... 30 West 29th Street.
New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
408 E. 34th Street,
Cut Flower Exchange. NEW YORK.
Telephone 299 Madison Square.

N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
JOHN DONALDSON, Secretary.
Please Mention The American Florist.

MOORE, HENTZ & NASH,
Wholesale Commission Florists.
At rooms of N. Y. Cut Flower Co. 119 and 121 W. 23d St., NEW YORK CITY.
TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, July 18

Roses, Beauty select	20.00@25.00
" " medium	4.00@ 6.00
" " culls	.50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " " Select	3.00@ 4.00
Carnations	.50@ 1.50
Lily of the valley	2.00@ 2.50
Sweet peas... per 100 bunches	.25@ .50
Harrisii	2.00@ 4.00
Cattleyas	20.00@30.00
Gladioli	2.00@ 4.00
Asters	1.00@ 1.50
Auratum lilies	3.00@ 4.00
Cattleyas	35.00@50.00
Smilax	8.00@12.00
Asparagus	25.00@35.00
" Sprengerii, per doz. bunches	.75@1.00
Adiantum	.50 .75

BUFFALO, July 19.

Roses, Beauty	15.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 6.00
" Kaiserin	6.00
Carnations	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet peas per dozen bunches	.30@ .75
Auratum lilies	10.00@12.50
Roseum "	4.00@ 6.00
Gladioli	2.00@ 4.00
Asters	1.00@ 2.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telepbone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Remember us to our advertisers.

THE NEW YORK CUT FLOWER CO.
119 and 121 West 23d Street,
112 and 114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. **Wholesale Florist.**
39 W. 28th St., NEW YORK.
ROSES SHIPPED to all points. Price List on Application

Ford Bros...
Wholesale Florists
111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

Julius Lang
53 West 30th Street, NEW YORK.
ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
TELEPHONE 280 MADISON SQUARE.

There Are Buyers
For all kinds of good stock advertised in.....
THE AMERICAN FLORIST

J. K. ALLEN'S POPULAR WHOLESALE CUT FLOWER HOUSE
At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Square.

EDW. C. HORAN,
47 WEST 28TH ST.,
Tel. 421 Madison Square, ...NEW YORK.
CUT FLOWERS AT WHOLESALE.

THE SEED TRADE.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

MUCH needed rain has fallen copiously in eastern Nebraska.

VISITED CHICAGO: C. B. Coe, representing D. M. Ferry & Co., of Detroit, Mich.

WISCONSIN pea reports are favorable but the early green wrinkled kinds will be short again.

W. ATLEE BURPEE and wife passed through Chicago this week, returning home from California.

PRODUCE prices are low on the west market, Chicago; beans 10 cents per bag; peas 15 cents to 25 cents per bag; cabbage 35 cents per 100; cauliflower 10 cents per dozen; white tipped radish 50 cents per hundred bunches; lettuce 15 cents per barrel. Gardeners who have not paid their seed bills are complaining with good reason at these low rates. The great union labor strike is said to be the cause.

St. Louis.

BUSINESS AT THE NORMAL STAGE FOR THE SEASON.—PREMIUMS FOR THE FALL SHOW.—VARIOUS NOTES.

Trade has been from poor to fair the past week. Wholesalers receipts are beginning to swell, but the amount of stock handled just now is not large. We are in our dull season and there are no excuses to offer for the state of trade. Roses are in right supply. Carnations of outdoor growth find a limited sale, especially the white sorts. Asters are being extensively retailed at from 25 cents to 50 cents per dozen. Gladioli and tuberoses are getting their share of attention and some very fine spikes of the former are seen. Sweet peas are practically out of sight, as the hot weather the past two weeks has burned them all up.

The preliminary list of the premiums to be offered at the tenth annual chrysanthemum exhibition, November 14 to 16, is just out. Premiums offered under the different sections are as follows: Chrysanthemum plants in bloom, $282; cut blooms, $39; cut roses, $106; cut carnations, $50; violets, $6; for floral designs and table decorations will be announced later. The Henry Shaw premiums on plants amount to $300 and on cut chrysanthemum blooms to $72.

The date for the picnic has been set for July 25. The boat leaves at 3:30 p. m. and tickets will be 25 cents each. A good time is promised all who participate.

On account of alterations which are to be made, John W. Kunz has vacated his old stand at 504 Olive street. M.

Indianapolis.

JOTTINGS OF LOCAL INTEREST BY OUR REGULAR CORRESPONDENT.—CLUB PICNIC PLANNED.—MEETING OF THE CLUB.

The last Florists' Club meeting was poorly attended. It was decided to have the annual picnic at Haversticks. The party will meet at Broadripple, from there taking the steamer to the grounds. Everybody wishing to attend is requested to be at Broadripple on July 25 at 10 a. m. bringing dinner baskets.

"Billy" Langstaff is in distress because his well known saying that he never knew of a florist being in a penitentiary will no longer hold good. It was reported to the society that the Jeffersonville prison greenhouses are selling plants in competition with the florists there.

Planting roses in this vicinity is nearly finished. Most of us have had a hard time fighting mildew, which has been greatly favored by dampness and cold weather.

A. Wiegand and one of his sons have announced their intention to attend the New York convention; this brings the number up to four from here.

Irvin Bertermann was married June 27 to Miss Beatrice Galbreath, of Greenfield, Ind.

John Heidenreich has returned from the east well pleased with his trip. H. J.

Chestnut Hill, Pa.

There was an attendance of sixty-eight at the July meeting of the Chestnut Hill Horticultural Society and the exhibits were all of high quality. R. G. Carey, gardener to T. C. Price, was awarded the premium for sweet peas and was given special mention for a vase of Lathyrus latifolius albus and four varieties of gooseberries. Wm. Kleinheinz, gardener to P. A. B. Widener, was first on collection of annuals, for collection of cut blooms of herbaceous plants and received special mention for single and double tuberous rooted begonias. Harry Harris, gardener to Mrs. Fell, was first for raspberries and received mention for potatoes. Frank Gould, gardener to J. T. Morris, was first on currents and received special mention for Iris Kæmpferi, fancy-leaved caladiums, calathea and Clerodendron Balfouri. Thos. Henning, gardener to Mr. Biddle, had the best potatoes. Wm. Robertson, gardener to J. W. Pepper, was mentioned for sweet peas and so was John Little for raspberries. The Andorra Nurseries were specially mentioned for a collection of Phlox decussata varieties.

NORTH ADAMS, MASS.—M. S. Worden died on July 14 after an illness of four months. His age was 43 years.

CINERARIA--CALCEOLARIA--PANSY

Cineraria, James' Giant strain, the finest strain offered, per packet, 35c; ½ tr. pkt., 65c; tr. pkt., $1.00.
Calceolaria, James' Giant strain, unsurpassed; ½ trade packet, 30c; trade packet, 60c.
Pansy, Johnson & Stokes' Kingly strain, comprises all the giant sorts of merit; per packet, 25c; ½ trade packet, 30c; trade packet, 50c; per oz., $5.00.
Asparagus Sprengerii, 100 seeds, 50c; per 1000 seeds, $4.00.
Write for quotations on Early Forcing Bulbs.
JOHNSON & STOKES, SEEDSMEN, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.
WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.
EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

CALIFORNIA
Calla Bulbs
Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.
FIRST SIZE, 1¼ to 1½-in. diam., doz. 75c; 100 $5.00.
SELECT, 1⅝ to 1¾-in. diam., doz. $1.25; 100 $7.00.
EXTRA SELECT, 2 to 2½-in. diam., doz. $1.50; 100 $9.00.
VAUGHAN'S SEED STORE,
NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

NOTICE.
We are now ready to give you LOWEST estimates for FIRST-class stock of
Freesias, Harrisii, Callas, Romans Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.
Send us list and we will give figures. Address
H. H. BERGER & CO., (Est. '78) 47 Barclay St., N.Y.

FRUIT AND FLOWER PLATES
Seed Packets and Supplies of all kinds for
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.
VREDENBURG & CO., Rochester, N. Y.

Field Grown **CARNATIONS**
Orders booked now for fall delivery.
GEO. HANCOCK & SON, Grand Haven, Mich.

ESTABLISHED 1802
THORBURN'S SEEDS
We have still left some fresh seeds of the following Palms in fine condition:
KENTIA FORSTERIANA, per 1000, $4.00; 5000 to 10,000 at $3.50; 10,000 and over at $3.00.
Also CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., at $8.00 per 100 lbs., while unsold.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Die Bindekunst
Einzige Special Zeitschrift der Welt für BLUMENBINDEREI.
Probenummern umsonst.
Abonnement 10 M. jährlich.
J. OLBERTZ, Bindekunst Verlag,
ERFURT, DEUTSCHLAND.

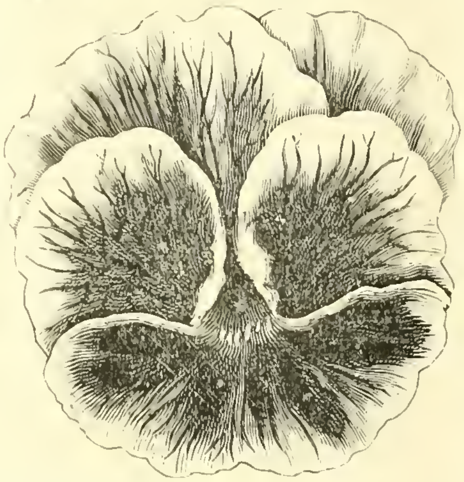
NEW CROP PANSY SEED.

Vaughan's International Mixture.

This mixture is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. It has been made up and sold by us for ten years, and has been improved upon every year, until now it cannot be beaten. Every florist knows Vaughan's International Mixture. Price, per oz., $10.00; ¼ oz., $1.50; trade packet, 50c.

GIANT TRIMARDEAU.—Mixed, per oz., $1.00; ⅛ oz., 20c; trade packet, 10c.

CHICAGO PARKS BEDDING—Mixed, per oz., $1.00. ¼ oz., 30c; trade packet, 10c.



Vaughan's Giant Mixture.

This mixture is made up specially for those whose trade demands large flowers. It contains all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and other special strains which cannot be had any other way. Price per oz., $4.00; ⅛ oz., 60c; trade packet, 25c.

NOTE.

We will make special mixtures for Florists who have preferences in the composition and proportion of colors and types.

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE.—This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the Giant sorts, some fern leaved, some blue; also some with dark leaves and stems. Packet, 350 seeds, 50c; five packets, (1750 seeds) $2.00; per 1-16 oz., $2.50.

VAUGHAN'S COLUMBIAN CINERARIAS.—This is a mixture of the finest English French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Per T. pkt., about 1000 seeds, 50c; 3 pkts. for $1.25.

CALCEOLARIA HYBRIDA.—Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties and we know it will give entire satisfaction. Trade pkt. (1000 seeds), 50c.

GLOXINIA HYBRIDA.—Vaughan's mixture; trade pkt (1000 seeds) 50c.

ASPARAGUS SPRENGERII.—50c per 100; $4.50 per 1000 seeds.

RUBBER APRONS.

Realizing that a good waterproof Apron is something every florist needs, we have had some made specially for us, and can guarantee same will give satisfaction. Each, $1 50; three for $4 00; dozen, $15.00; (six at a time at dozen rate) If to be sent by mail add 25c each, extra for postage.

PLANT STAKES. Galvanized Wire.

Prices subject to advance without notice.

No. 9 Wire	Per 100	Per 1000	No. 8 Wire	Per 100	Per 1000
1½ feet	$0.55	$4.00	3½ feet	$0 95	$ 8.85
2 "	.60	5.00	4 "	1.25	11.25
2½ "	.70	6 25	5 "	1.60	14 00
3 "	.80	7.00			

CANE STAKES.

Price in Chicago, per 100, 75c; 250 for $1.25; per 1000, $4.00. In New York, 100, $1.00; 250 for $1.75; per 1000, $6.00.

CHICAGO, 84-86 RANDOLPH STREET. **VAUGHAN'S SEED STORE,** NEW YORK, 14 BARCLAY STREET.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

VIOLETS From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, $2.50 per 100, $20 per 1000.

GERANIUMS, plenty of S. A. Nutt and Bruanti at $6.00 per 100; also a few mixed at same rate; 3-in. at $3.50 per 100. Mme. Saleroi, 3-in., $3.50.

ALTERNANTHERA, from flats, $2 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

ACALYPHA SANDERI

2½-inch pots, $8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa.

Please mention the American Florist when writing.

CARNATIONS!

F. Dorner & Sons Co.,
LA FAYETTE, IND.

Please mention the American Florist when writing.

WM. MURPHY
Wholesale Carnation Grower
Station F, CINCINNATI, OHIO.

A Point Worth Knowing.

At the NEW YORK HOTEL you are but two minutes' walk from the Exhibition Building. Large, light and well-ventilated rooms, one dollar per day and upward. Popular priced Restaurant. Special rates to Florists. Write early for accommodations.

E. H. NIES, Mgr.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...OF... **ARECA LUTESCENS, KENTIA BELMOREANA, PHOENIX RUPICOLA.**

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50

2½-inch Coleus, Crimson Verschaffeltii, Golden Queen and mixed colors, $2.00 per 100.

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

THE MURRAY HILL HOTEL

Park Ave., 40th and 41st Sts.,
NEW YORK.

One block from Grand Central Station.

Two blocks from the S. A. F. Convention Hall.

AMERICAN AND EUROPEAN PLAN.

Coolest Hotel in the city, at special rates for S. A. F. Members.

Baggage transferred to and from Grand Central Station FREE OF CHARGE.

SMILAX.

	Per 100
Fine plants, 2-in. pots ... 1000, $8.00;	1.00
ASPARAGUS Sprengerii, 2-inch pot	3.00
ASPARAGUS Plumosus Nanus	4.00
Primroses, July 1, Chinese, Forbesi, Obconica, Grandiflora and Rosea	2.00

Pansy seed, large-flowering ... $4.00 per oz.

—CASH PLEASE—

JOS. H. CUNNINGHAM
DELAWARE, O.

Please mention the American Florist when writing.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
Prices low. Send for list. **VIOLETS.**

WOOD BROTHERS, FISHKILL, N.Y.

An advertiser feels better when he knows he is getting direct returns for his money. Mention the AMERICAN FLORIST.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

It is said that every section of the country is producing an unprecedented peach crop this season.

The consensus of opinion among nurserymen is that stock will be short next season, with the possible exception of apple trees.

Southwestern Nurserymen Organize.

Pursuant to a call made through the press of Texas, a number of nurserymen met at College Station during the Texas Farmers' Congress and organized the Texas Nurserymen's Association. E. W. Kirkpatrick, of McKinney, Texas, was made president, Stanley H. Watson, of Brenham, vice-president, and John S. Kerr, of Sherman, secretary and treasurer.

The constitution and by-laws provide that the membership shall consist of active nurserymen throughout Texas, Arkansas, Louisiana, Oklahoma and the Indian Territory, and contemplates the furthering of all the interests of the craft. Over twenty members were enrolled from among the leading nurserymen of the states of Texas and Louisiana. It is provided that all nurserymen who join the association within sixty days shall become charter members. The annual membership fee is $3.

The Work of Our Association.

[Read by J. A. Pettigrew, President of the Association of New England Park Superintendents, at the meeting at Worcester, Mass., July 11, 1900.]

The tendency of the times is toward concentration; capital and labor, workers in the trades and arts, professional and scientific men, all follow the drift of the prevailing inclination to meet for the interchange and discussion of ideas and theories, or to record, for mutual advantage, the results of experience, thought and experiment in their various lines.

The Association of New England Park Superintendents, now entering its third year, has been organized for a definite purpose, that of raising the standard of excellence in park work. This probably has not been sufficiently realized by us, and, beyond the memories of two or three pleasant meetings, not much of lasting importance has been done for the welfare of the association or its object. Let us lay off this lethargy and bestir ourselves. The field is large; work lies on every hand; let it be taken up with persistence and determination. Abuses are creeping into the management of parks; let them be attacked and overthrown. We may not be able to obliterate all evils with which parks and park departments are afflicted, yet we may effect a partial regeneration and even partial success will repay when taken in connection with the opportunity our meetings give for becoming acquainted with brother craftsmen in their own fields of labor.

In particularizing the work of this association I would call attention to an evil which it should be the object of the association to attack vigorously, that of the overcrowding of trees in park woodlands and plantations. This results mostly from a fear of public criticism, or rather, I might say, abuse, leveled at the trained superintendent who cuts down a tree. Many people who are perfectly rational on most subjects, and who would accept without question the opinion of the doctor or the engineer in matters pertaining to his special profession, are ready to criticise any attempt on the part of the forester to better the condition of growing trees. And to this abuse may be attributed, in a great measure, the lamentable lack of fine tree growth in the public parks throughout the country. This calamity, however, is not confined to the parks; every street and every square calls out for reform in respect to the care of its trees. And this reminds me that the planting and care of street trees may be a matter of legitimate interest to this society. Progressive communities are beginning to recognize the fact that nothing adds more beauty to the streets than fine trees, and are placing them under the care of the park departments, or other authorized officers, for protection and development. The laws governing these transfers are varied, and not, so far as one can hear, entirely satisfactory. It would seem that a law simply giving full and indisputable authority over the trees to a competent body would be the most effective measure.

Another form of the desecration of public parks, which should be a subject for our consideration and discussion, is improper planting. Seven years ago I saw a public square, in the center of a smoky city, planted, in all the awful grotesqueness of an old craze, with geraniums, echeverias, alternantheras and other plants of like character, the blackness of death covering the whole. A few days ago I again saw this square planted in a similar way—no change, no awakening. In the same city I saw beds of fancy conifers set in the bays of a beautiful natural foliage line along one of the parkways. It seemed as though the landscape gardener, in an aimless way, had siezed each open space, saying, "here is room for a bed, I will make one," utterly spoiling the foreground and the predominating natural features by the forced intrusion of trees and shrubs of variegated foliage, or of beds of Crimson Rambler roses and other plants properly belonging to the garden.

In another prominent city I found lines of shade trees newly planted along curving drives throughout a park of several hundred acres. It is to be hoped that good taste will prevail and cause the removal of these trees before they attain to any size, or the temptation to flank them with stone curbs and sidewalks may be too strong to be resisted. Another instance, and I have done. In the most beautiful park in the Empire City I found an island planted with scarlet geraniums, where they disputed possession with a few trees and shrubs. Surely, here is a field for work, and work which will repay in the elevation of our profession.

Much can be done by this association in preserving public parks from desecration by those who have schemes for turning a penny by the introduction of various devices, ranging from observation towers or merry-go-rounds, to peanut stands. The petitioners for such concessions usually pose as philanthropists and in this guise are well calculated to deceive.

Another evil, against which the weight of this society's influence should be thrown, is that of the introduction of politics into park management. This abuse is steadily growing, and is a dangerous one. Positions of importance in connection with the welfare of parks are being absorbed by men who have no fitness for the work, and whose qualifications are only valuable in ward politics. Under the politician's creed, "To the victor belongs the spoils," tenure of office is insecure and offers no inducement to young men to educate themselves for park work. Many other lines of action will suggest themselves as the work progresses; for the present those above noted will perhaps suffice.

As a means of communication and a medium for the expression of the ideas and experiences of the members of this association, I would suggest the circulation, monthly, of a recording bulletin, passing from member to member for contributions or perusal, and returning in reverse order to the secretary. It is quite possible that many contributions could be culled from the bulletin which would be valuable from an educational point of view, and would be readily published by horticultural journals and city newspapers. The bulletin would serve to draw the members into closer fellowship and acquaintance, and help to heighten their interest in the work of the association.

BAY CITY, MICH.—Joseph C. Gooding has filed a petition in bankruptcy in the United States court at Toledo, scheduling liabilities slightly exceeding $2,000. The assets, entirely personal property, well handled will exceed this sum and S. A. Court, Mr. Gooding's attorney, expects to make arrangements whereby his client can continue.

Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

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Send to **THE MOON** Company

For Your { Trees, Shrubs, Vines, and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO., Morrisville, Pa.

VEGETABLE PLANTS.

	Per 1000
CABBAGE, Flat Dutch and others	$1.00
CAULIFLOWER, E. Early Snowball	1.50
PEPPERS Bullnose Ruby King	1.50
BRUSSELS Sprouts	1.00

All Fine, Large Plants, Ready to Plant Out.

J. C. SCHMIDT, - Bristol, Pa.

For Fall Delivery.

FIELD GROWN ROSES, CLEMATIS,

Ornamental Shrubs, Twining Shrubs, Etc.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

J. Austin Shaw will be in Omaha, Kansas City and St. Louis this week. Mail will find him at general delivery, St. Louis, Mo

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Please mention the American Florist when writing.

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Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St., CHICAGO.

LAKEVIEW ROSE GARDENS,

Wholesale Growers,

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR **Cut Flowers.**

Chrysanthemums.

Now is the time to plant them. We offer extra fine, vigorous plants from 2 and 2½-in. pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY.	Per 100	MIDSEASON.	Per 100
Ivory	$3.00	Major Bonnaffon	$3.00
M. Henderson	3.00	Wm. Simpson	3.00
Geo. S. Kalb	3.00	V. Morel	3.00
Merry Monarch	3.00	G. W. Childs	4.00
Willowbrook	4.00	H. W. Longfellow	3.00
M. de Montmort	3.00	Mrs. Murdock	3.00
Mrs. J. Whilldin	3.00	Mrs. T. L. Park	6.00
John K. Shaw	5.00	Black Hawk	4.00
Golden Trophy	3.00	Mrs. C. H. Pierce	3.00
Glory of the Pacific	3.00	Mrs. H. Robinson	3.00
		Niveus	3.00

LATE.	Per 100	LATE.	Per 100
Mrs. J. Jones	$4 00	Nagoya	6.00
Liberty	4.00	Xeno	6.00
Merry Xmas	4.00	Adula	3.00
Autumn Glory	3.00	Harry Balsley	3.00
E. Dailledouze	4.00	Mrs. Baer	8 00
Golden Wedding	4.00		

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

BUY NOW

PROPAGATING STOCK for Next Year.

	In. pots	Doz.	100
New Hibiscus, Peachblow, double pink flowers	2½	$1.00	$8.00
New Ageratum, Stella Gurney, dwarf blue	2½	.75	5.00
New Salvia, St. Louis, extra large flower spikes	2½	.75	5.00
New Silver-Leaved Geranium, Wm. Langguth, dbl. red flower	2½	1.50	10.00
Acalypha Sanderi (chenille plant)	3	1.00	6.00
New Rose, Evergreen Gem, strong	2	1.00	8.00
New Rambler Rose, Helene	2½	1.00	8.00

BOSTON FERNS. We have the largest and finest stock in the West. All well-grown, bushy plants in all sizes. Write for prices.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Begonia Rex,

EXTRA FINE STOCK IN GOOD ASSORTMENT.

From 2½-in. pots, ready for 4's, $6 per 100.

Asparagus Sprengerii and Asparagus Tenuissimus,

Strong, from 2¼-in. pots, $3.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

ASPARAGUS PLUMOSUS NANUS

Ready Now for Shipment

Extra fine stock from 2½-in. pots, Per 100, $5.00; Per 1000, $40.00.

Also a grand stock of CHINESE PRIMULA PLANTS, from selected large flowering strains, READY NOW.

	Per 100	Per 1000
Seperate colors, semi-double flowers, 2½-in. pots	$5.00	$40.00
Seperate colors, single flowers, 2½ " "	4.00	35.00
All colors mixed, 2½ " "	3.50	30.00

Terms Cash with order or satisfactory reference. Address

S. ALFRED BAUR, Successor to Henry A. Niemeyer, **ERIE, PA.**

XXX SEEDS.

CHINESE PRIMROSE.

Finest large flowering fringed, single and double, fifteen varieties, mixed, 500 seeds, $1.00; ½ pkt., 50c. Chinese Primrose plants ready in August; of the very finest varieties; singles, $2.00 per 100; doubles, $3.50 per 100.

PRIMULA OBCONICA GRAND. HYBRIDA.

The very finest of the improved Hybrid Obconicas, large flowering and choice colors, truly grand, 1000 seeds, 50c.

CINERARIA GRAND. NANA.

The finest large-flowering dwarf varieties, very showy, in choicest mixture; 1000 seeds, 50c.

PANSY, FINEST GIANTS.

The finest large-flowering varieties to be had, best colors and strong growing, mixed; 3500 seeds, $1.00. A packet of the beautiful new dwarf Forget-me-not "Blue Beauty" added to every order.

THE HOME OF PRIMROSES. **JOHN F. RUPP, Shiremanstown, Pa.**

Choice Pot Plants, 1c Each

We wish to give our customers the benefit of very low prices for a short time.

Geraniums, the choicest, most desirable varieties to be had, true to name. Bruanti (best semi-double scarlet), S. A. Nutt, Athlete, White Swan, La Favorite, Mrs. J. M. Garr (best single white), Beaute Poitevine, American Wonder, Mrs. E. G. Hill, Mme. Bruant and others, $2 00 per 100, strong 2½-in.; Rose Geraniums and Mme. Salleroi, 1c each, strong 2-in.

Petunias, double fringed, in full bloom, Henderson's and Dreer's latest superb sets, strong 2-in. 1c each; really worth $1.00 per doz.

Fuchsias, choicest sorts, strong 2-in., $1.50 per 100; fine 4-in., full bloom, at 6c; 2½ and 3-in. at 3c.

Coleus, elegant named varieties, all beauties, 1c each, strong 2 and 2½-in.

Ageratum, Princess Pauline (latest blue), strong 2-in., 1c.

Salvias, 1c.

Asters, Giant Comet (true) in pure white and lavender, pink and white, strong 2-in., 1c. Plant in bench, they'll pay.

Roses, fancy extra select Brides, Perles and Maids, 3-in., 4c; the same in 2½-in. pots, including Meteor, 3c; Kaiserin, Wootton, Golden Gate, Belle Siebrecht, strong 2½-in., 4c.

Smilax, extra strong, 2-in., as fine as you could wish, $1.50 per 100, $12.50 per 1000.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

1500 N. Cordata Compacta,

In 2-in. Pots, Strong Plants, at $3.00 per Hundred.

Also Strong Plants from Bench, at $2.00 per Hundred.

CHAS. SCHWEIGERT, Niles Center, Ill.

Imperial Violets,

Longest stems, largest flowers, darkest in color A1 stock, fine large plants, $5.00 per 100, $15.00 per 1000.

M. LOUISE, LADY CAMPBELL,

$2.50 per 100, or $20.00 per 1000.

CASH WITH ORDER, PLEASE.

VAN AKEN BROS., Coldwater, Mich.

NOVELTIES IN PLANTS

That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvillieas, New Campanula Mirabilis, New Buddleias, New Deutzias, Mr Peter Barr's New White Lupin The Grand New Salvia Glory of Stuttgart, The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea Send for Catalogue of Novelties. Always in quantity—Asparagus Sprengeri, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in

Give It a trial. **...The American Florist.**

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At New York.

The following averages were made Monday, July 16:

O'Mara	155	Roehrs	137
Thielman	155	Burns	118
Manda	139		

The next practice will be on Monday afternoon, July 23.

At St. Louis.

The following is the record of the practice roll Monday evening, July 9:

Player	1st	2d	3d	4th	5th	6th	Av
Kuhn	124	167	202	200	177	176	174
Weber	171	173	147	152			161
Beyer	154						154
Beneke	169	164	144	116	150	151	149
Young	143	158	103	147	166		143

M.

At Chicago.

The following is the record of the games on Friday, July 13:

Player	1st	2d	3d	4th	Av
Geo. Asmus	189	165	178	180	178
Chas. Balluff	131	152	178	150	152
E. F. Winterson	151	128	169		149
John Degnan	152	152	140		148
P. J. Hauswirth	169	139	118		142
J. S. Wilson	152	117	158		142
G. L. Grant	157	125			141
Walter Kreitling	166	118	137		140
Fred. Stollery	148	155	112		138

At Omaha.

The bowlers made the following scores on the evening of June 12:

Player	1st	2d	3d	Av
J. F. Wilcox	173	149	158	160
J. J. Hess	182	157	145	158
W. Davey	161	165	148	158
G. Swoboda	160	145	132	146
P. Floth	143	135	132	137
J. Hadkinson	125	140	143	136
L. Henderson	124	142	150	135
P. Paulsen	124	126	147	132
S. Faulkner	125	130	120	125
F. Sahan	115	120	109	115
W. Faulkner	123	103	105	110

GRIPPE.

At Boston.

A session of the bowling contingent was held on Monday evening July 9, but the very sultry weather prevented a large attendance. Scores made were as follows:

Player	1st	2d	3d	4th	5th
F. J. Norton	106	132	101	132	115
E. J. Welch		139	127	109	115
Sutherland	106	149	96	139	149
Martin			145	103	124
Ewell			101	88	111
Cotter				102	88

The following scores were hatched out Monday evening, July 16, at the bowling alleys. They make as irregular a line as a company of raw recruits, but when convention time comes and the necessary weeding out and steadying up has been attended to we think we shall have a team that will; at least, not come in at the bottom of the list.

Player	1st	2d	3d	5th
F. J. Norton	127	105	176	111
Cotter	90	116	120	130
Stewart	112	87	152	
Ingram	122	156	117	113
Love	106	122	159	131
Minton	62	73	114	103
Rough	111	98	148	103
Sutherland	122	167	153	148
Martin	115	113	124	
Ewell	74	121		

At Detroit.

The following are the scores made in the practice game July 16:

Player	1st	2d	3d	4th	Av
Schribner			178		178
Breitmeyer	152	159	174	136	155
Pantke	151	176	146	141	154
Flowerday	133	171			152
Watson	142	152	159		151
Beard	126	149	173	116	141
Holznagle	128	150	146	137	140
Sullivan	146	132	125		131
Davis	134	109	135		126
Brown		121	123		122
De Beul		76	108		92
Kalbe		79	90		84

At Flatbush.

Thursday evening, July 12, saw a great time on the Flatbush bowling alleys. New York came over; she saw but she didn't conquer, as the following scores will show. The opposing aggregations were captained by the two Pats and when the fragments were gathered together it was found that "Mr. Pat. Riley, of whom they speak highly," was the better man—on his own alleys.

FLATBUSH.

Player	1st	2d	3d
Riley (Hon.)	151	148	169
Schmutz (long)	156	129	148
A. Zeller (thin)	143	169	151
Mellis (old)	151	140	167
E. Dailledouze (safe)	146	166	137
Total	747	752	772

NEW YORK.

Player	1st.	2d	3d
O'Mara (Hon.)	157	140	125
Burns (short)	139	118	129
Donaldson (thick)	200	131	186
J. Manda (young)	122	145	178
T. Roehrs (wealthy)	137	128	151
Total	755	662	769

There were, as usual, a bunch of "scrubs" present. They accomplished the following and are still alive:

Player	1st	2d	Player	1st	2d
Prosser	138	140	Thennis	135	123
P. Dailledouze	159	112	Papa Zeller	80	120
Wocher	125	91	Donlan	112	139
H. Dailledouze	98	91	Langjahr	89	99

Detroit.

SHORT SUPPLY TO MEET A HEAVY FUNERAL DEMAND.—PLANS FOR THE CONVENTION TRIP.—INDIGNATION AT CREPE CHASING.

The past three weeks have been marked by a great scarcity of roses and only a meager supply of carnations to meet what was really an extraordinary demand for the summer season, funerals requiring much stock. No asters have yet appeared and carnations are heavily drawn upon, the quality becoming poorer as the summer season advances. Beauties are called for daily, but from all sources the supply is limited and the quality poor. Sweet peas are now abundant and meet with fair demand.

A party of about thirty will go from here to the convention, and it is believed that others from points throughout the state will join our delegation, increasing the total to probably fifty. The president of our club has appointed Geo. Rackham to make all the arrangements for the trip, including hotel accommodations. At present it appears likely that the route will be via the Michigan Central and New York Central, leaving Detroit Sunday, July 19, at about 4 p. m., arriving at Albany Monday morning, thence taking the delightful daylight trip by boat down the Hudson, arriving at New York the same evening. A rate of one and one-third fare on the certificate plan is the best yet offered, but the Michigan Central will assign our party a special car, or two if necessary.

Our club meeting Wednesday evening was a spirited one, occasioned by sweeping denunciations of the crepe chaser who at present infests our town. He hails from the Forest City and represents a local florist here who is not a member of our club and is consequently beyond the sphere of its wholesome influence. It was pointed out that in other cities where the odious business was practiced it resulted in time in greatly reducing the popular demand for flowers for such occasions, thus to a great extent destroying the most lucrative branch of our business. This solicitor has already met with some warm receptions where he attempted to get orders from grief-stricken families, and it is to be hoped he will receive enough of such treatment to prompt him to desist from further operations here. J. F. S.

New Orleans.

THIRD OUTING OF THE HORTICULTURAL SOCIETY AT GRAND ISLE.—THE PARTICIPANTS.

For the third year in succession the New Orleans Horticultural Society went to Grand Isle, in the Gulf of Mexico, for its annual outing. Grand Isle is certainly beautiful. The committee in charge of the outing was Paul Abele, Joe Schindler and M. M. Lapouyade. The society is thirty-five strong but only nineteen members were present, namely, E. Valdejo, Paul Abele, Otto Abele, Chas. Ebele, C.W. Eichling, F. Faessel, M Huber, M. M. de Lapouyade, J. H. Menard, Dan. Neusham, C. R. Panter, H. Papworth, Joe Schindler, J. A. Shalk, R. Steckler, John St. Marc, Richard Eichling, P. A. Chopin and Geo. Mahn. There were also a few guests, but giving the privilege to outside persons to join the excursion will have to be looked after with more care in future.

The weather has been very rainy and everything is growing fast. We are quite busy with outside work, but plant and flower business is rather still just now. M. M. L.

Buffalo.

STEPS TO SECURE NEXT YEAR'S CONVENTION.—MOELLER SELLS HIS PLACE—TRADE QUIET.

An informal meeting was held at the office of D. B. Long on July 13 for the discussion of ways and means of securing the S. A. F. meeting of 1901. Nothing definite was decided upon but a formal invitation will probably be extended the society at the next club meeting.

R. Moeller is cutting some very fine centaurea and Adams has been making a run on this material for boutonnieres, for which they are excellent. Mr. Moeller has sold his property at Woodlawn to the Lackawanna Steel Company and will vacate in the fall.

Trade is quiet and we are all sitting around with our hands folded. The only excitement is that occasioned by the activities of such indefatigable order chasers as Arnold Ringier, Harry Balsley and "Billy" Boas.

W. A. Adams and Mrs. Adams are visiting at Cleveland this week. W. A.

UTICA, N. Y.—L. P. Seaton has gone to Buffalo to work in the horticultural department of the Pan-American Exposition.

SPRINGFIELD, MASS.—The florists of this city have agreed to make Wednesday afternoons during July and August half holidays, closing on those days at 1 p. m.

Roses for Florists

OUR Rose Plants are all grown for the trade. We do not grow cut flowers. Such plants, we claim, are well worth more money than ordinary *surplus* stock.

Our Roses are all shifted from 2-inch pots and equal to most stock usually sold as 3-inch.

	2½-in., per 100	3½-in., per 100
American Beauty	$6.00	$12.00
Brides	3 00	8.00
Bridesmaids	3.00	8 00
Perles	3.50	9 00
Kaiserin	4.00	10 00
Meteor	3.00	7.00
Wootton	5.00	
Golden Gate, 2-in.	3.00	
Sunset	4.00	10.00

Bedding Roses, in 2-in. pots, strong stock, in variety, $2.50 per 100, $20 per 1000.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

ROSE PLANTS

METEOR
BRIDESMAID
BRIDE
LA FRANCE
PERLES

From 2½ and 3-in. pots, Per 100, $3.00; 1000, $25.00.

AMERICAN BEAUTY, 3-inch pots, per 100, $5.00; per 1000, $45.00.

AMERICAN BEAUTY and LA FRANCE, bushes headed in open ground, per 100, $2.50; per 1000, $20.00.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

To Clear the Benches

ROSES, 3-in., at $3.00 per 100. 400 Maids, 200 Gates, 125 Woottons, 125 White LaFrance, 50 Kaiserin.

ROSES, 2½-in. and second size 3-in. at $2.00 per 100. 300 Maids, 250 Gates, 200 Perles, 100 Kaiserins, 75 Caruots, 50 Woottons, 50 White LaFrance.

100 ADIANTUM CUNEATUM, 4, 5 and 6-in. pots, fine. The lot for $10.00.

50 SELAGINELLA EMILIANA, 2½-in., ready for a shift, at 4c each.

CASH WITH ORDER.

JOS. E. BONSALL, Salem, Ohio.

CHRIS. HANSEN, St. Paul, Minn., can fill your orders for Cut Flowers always on lime.

GRAFTED BRIDES, MAIDS, A No. 1.

		Per 100
Grafted Brides and Maids	4- in. pots,	$15 00
" " " "	2½ "	9.00
Meteors	4 "	8.00
"	3 "	6.00
"	2½ "	4.00
Perles and Sunsets	4 "	8.00
" " "	3 "	6 00
Smilax	3 "	3.00

FLORISTS

IF you have made any change in your firm name or address, please send us your corrected business card so that you may be properly listed in next year's edition of our directory. Send also particulars of any additions you may have made to your establishment, either greenhouses or land.

AMERICAN FLORIST CO., 324 Dearborn St., Chicago.

40,000 FIRST QUALITY FORCING ROSES.

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years. First-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

WOOTTON, LA FRANCE, AMERICAN BEAUTY, COLDEN CATE,
3-inch pots $8 00 per 100 4-inch pots, $12 00 per 100.

METEOR, KAISERIN, SAFRANO, BRIDESMAID, BON SILENE,
MERMET, PERLES, MAID OF HONOR, MME. HOSTE, BRIDE.
3-inch pots, $7 00 per 100. 4-inch pots, $10 00 per 100.

CRAFTED ROSES—Maid of Honor, Colden Cate, 3½-inch pots, $15.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

AMERICAN BEAUTY, four-inch, selected, $15.00 per 100. LIBERTY, four inch, $75.00 per 100. MAID, BRIDE, PERLE, 3½-inch, $8 00; 4-inch, $10.00. Also SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, GRAFTED BRIDE, $20.00 per 100, large 4 in. ASPARAGUS PLUMOSUS, all sizes. MARIE LOUISE VIOLETS, SMILAX.

A. S. MacBEAN, LAKEWOOD, N. J.

7,000 SURPLUS ROSES

Vigorous and healthy clean stock, from selected wood, grown in bright sunlight and full air; 3½-in. pots. Price $6 00 per 100

Varieties: Hoste, Perle, Sunset, Bride, Maid, Meteor, Golden Gate, Gontier.

P. R. QUINLAN AND CO.,
SYRACUSE, NEW YORK.

XXX STOCK

For Immediate Shipments.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world. Now ready to ship; a splendid stock of plants in four true colors, red, white, pink, and white with carmine eye, from 2½-inch pots, $5.00 per 100; $40.00 per 1000. 250 at the 1000 rate.

CINERARIA HYBRIDA MAXIMA GRANDIFLORA and Maxima Grandiflora Nana, strain superb in every way, from flats, transplanted, $1.75 per 100; $15.00 per 1000. 250 at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

ASSORTED FERNS,

In flats, ready for potting, $2.00 per flat.

BOSTON FERNS,

Ready for 3-in. pots, $6.00 per 100; 4-in., $15.00 per 100; 5-6-in., $20.00 $25.00 per 100. Also fine plants in 5 6-in. pots, now ready for a shift, in pans or large pots, $35 00 per 100. $4 50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine $8.00 per 100.

Asparagus Sprengii 2-in., $6.00 per 100.

Kentia Belmoreana, 2½-in. pots, $10 00 per 100, 4-inch, $40.00 per 100. Large plants, $1.50, $1.75, $2.00, $2.50, $3 00, up to $5.00.

Send for Particulars.

BOBBINK & ATKINS

RUTHERFORD, N. J.

ROSES

Strong and Healthy, From 3½-in. pots. $5 PER 100.

Perles, Brides and Maids.

H. E. WILSON, 134 Hayward Pk., ...Rochester, N. Y.

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For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

ANNUALS
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POT PLANTS
FLORISTS' FLOWERS
TREES AND SHRUBS
Also PARK AND GARDEN SCENERY.

PRICE FOR CASH ONLY 15 CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.
.....324 Dearborn Street, CHICAGO, ILL.

Cleveland.

HAIL DOES SLIGHT DAMAGE OVER A WIDE AREA. — EARLY CLOSING MOVEMENT BLOCKED.—VARIOUS JOTTINGS.

We have been visited by a hail storm which did a varying amount of damage in different parts of the city. The most remarkable feature of it was the wide area over which it was distributed. It extended from Glenville, in the extreme east of the city, where Fred. Aul was probably the worst sufferer, as far west as Rockport, a distance of perhaps ten or twelve miles, while florists as far from the lake as Newburg, six miles south from Glenville, suffered some loss. Many establishments, however, suffered no damage whatever. Mr. Aul estimates his loss at about $300 and aside from this case, the damage seldom exceeded 200 or 300 lights and was usually less. The breakage was largely confined to single thick glass.

Some of the retail stores have been trying to inaugurate an early closing movement for the summer months, but the fact that one or two hang back seems likely to bring the plan to naught. It is unfortunate that the idea should not be carried through, as it has been found highly satisfactory in former seasons. Not a cent is made by keeping open evenings during July, August and September.

J. M. Gasser has leased his store room at 101 Euclid avenue for a term of years and has moved, bag and baggage, one or two doors further west.

Casper Aul has a new greenhouse about ready for glazing at his place on Lee avenue.

A. Graham & Son are adding one house to their range, to be used for carnations.

Bate Bros. are progressing with the moving of their greenhouses to the new location which they have leased north of Euclid avenue in East Cleveland. A.

CHAMPAIGN, ILL.—At the University of Illinois they are adding two wings, each 18x30, to the greenhouse, affording much needed room.

A Rose Bargain.

We offer the following price inducement to clear the balance of our stock at once:

5000 METEORS, Extra fine;

4000 BRIDES, Up to our usual grade.

All 2½-inch Stock, $20 per 1000, $135 for the lot. Speak quick if you want them all.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO.....

TO CLOSE OUT.

500 American Beauties 2½-in., $5 00 per 100, or $20.00 for the 500.

2000 Kaiserin, 2000 Golden Gate, 2000 Bridesmaid, 1000 Meteor, 500 Garrett, 500 Bride, 500 Perle, 500 Mermet, 3 and 3½-in., $3.00 per 100, or $25.00 per 1000.

These are Fine Plants. Cash With Order.

MRS. J. W. CROUCH, Chattanooga, Tenn.

ROSE PLANTS.

		Per 100	Per 1000
Am. Beauty,	2½ inch pots	$5.00	$45.00
	3 " "	6 00	55.00
Kaiserin, 2½-inch pots		3 00	25.00
" 3 " "		4 00	35.00
Golden Gate, 2½-inch pots		4 00	35.00
Bridesmaid, Perle, Meteor, 2½-inch pots		3.00	25.00
" " " 3 " "		4.00	35.00

PETER REINBERG, 51 Wabash Ave., ...CHICAGO.

FORCING ROSES

THIS IS NOT SURPLUS STOCK, IT HAS BEEN GROWN ESPECIALLY FOR WINTER BLOOMING, AND WILL GIVE SATISFACTION TO THE MOST CRITICAL BUYERS.

		Per 100
AMERICAN BEAUTY	3-in.	$7.00
BRIDE	3-in.	4.00
BRIDE	4-in.	6.00
BR. DESMAID	2½-in.	3.00
BRIDESMAID	4-in.	6.00
PERLES	3-in.	4.00
METEOR	2½-in.	3.00
MME. C. TESTOUT	2½-in.	$3.00
GOLDEN GATE	2½-in.	3.00
GOLDEN GATE	3-in.	4.00
MAID OF HONOR	2½-in.	3.00
MAID OF HONOR	3-in.	4.00
SOUV. DE WOOTTON	3-in.	4.00

Also a fine stock of **Maidenhair Ferns.** **Adiantum Cuneatum,** 3-in., 75c per doz., $5 per 100.

Terms: CASH WITH ORDER. Address

Forest City Greenhouses. **H. W. BUCKBEE, ROCKFORD, ILL.**

ROSES

	2½-inch. Per 100	2½-inch. Per 1000	3-inch. Per 100	3-inch. Per 1000
Brides	$3.00	$25.00	$5.00	$45.00
Maids	3.00	25.00	....	....
Cloth. Souperl	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty	....	....	8.00	75.00

	Per 100	Per 1000
Mixed Jardinier Ferns, mostly pteris varieties	$3.00	$25.00
Asparagus Sprengerii, 2½-in	4.00	35.00
" Plumosus, "	6.00	55.00
Adiantum Farleyense, fine stock, 6-in. pots, 50c each		
	Per 100	
Smilax, 3-inch	$ 4 00	
Dracæna Terminalis, 4-inch	15.00	
Phœnix Canariensis, elegant stock, 4½ to 5-inch	20.00	
Chamærops Excelsa, 5-inch	25.00	
" " 4 "	20.00	

J. B. HEISS,

The Exotic Nurseries,

DAYTON, O.

Maids, Brides and Perles

10,000 strong, healthy plants, in perfect condition to plant. No finer stock on the market.

3-inch Stock.	Per 100	Per 1000
BRIDES	$4 00	$35.00
MAIDS	4 00	35.00
PERLES, extra fine	6.00	50.00
2½-inch Stock.		
BRIDES	3.00	25.00
MAIDS	3 00	25.00
PERLES	4.50	40.00
METEORS	2 50	

Samples sent if stamps for postage accompany request. This stock is worth more money than we ask for it, and will give you satisfaction.

W. H. GULLETT & SONS, Lincoln, Illinois.

CRIMSON CLOVER SEED, growers' prices.
CELERY PLANTS only $1.00 per 1000.
CABBAGE and Potted Strawberry Plants.
Circular free. SLAYMAKER & SON, Dover, Del.

ROSES.

Here is what I have left in Roses. If you want them, all or part, write:

1000 METEORS, 2½ and 3-inch,
2000 MAIDS, 2½ and 2-inch,
1000 PERLES, 2½-inch,
800 LA FRANCE, 2½-inch,
300 KAISERINS, 2-inch,
200 BELLE SIEBRECHT, 2½-inch.
400 BEAUTIES, 2½ and 3-inch.

Make your wants known. Don't forget **BOSTON FERNS,** 5-inch.

23 Greenhouses. 60,000 Feet of Glass.

GEO. A. KUHL,

PEKIN, ILL.

THE VERY FINEST STOCK OF

IVORY'MUMS

$2.00 per 100, $17.50 per 1000.

2500 ready in prime condition for this and next week's plants. 2000 for later planting. Your money back if not A1.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Rose Plants.

	Per 100	Per 1000
METEOR, 3½-inch pots	$5.00	$40.00

Potted and repotted four times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.

ROSES

Clean, Healthy Plants, from 3-in. Pots.

Perle, Sunset, Wootton, Meteor, Albany, Kaiserin and LaFrance, $6.00 per 100.

Bride, Maid and Golden Gate, $4.00 per 100.

Perle, Wootton, Bride, Maid and Golden Gate from 2-inch pots, $2 50 per 100.

TERMS CASH.

JOSEPH HEINL, JACKSONVILLE, ILL.

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Complete lists of the Florists, Nurserymen and Seedsmen of the United States and Canada, corrected annually and arranged both alphabeti= cally and by states and towns.

NEW FEATURES

Added in the edition for 1900 are lists of the gardeners or superintendents of private estates, experiment station horticulturists, landscape architects and horticultural supply concerns.

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AMERICAN FLORIST CO.

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Baltimore.

SCARCITY OF STOCK TO MEET EXISTING DEMANDS.—DROUGHT AND HEAT INJURE STOCK.—SCHULER HOME FOR A VISIT.—CONVENTION MATTERS.

Flowers were never so scarce at this season. Good roses and carnations are unobtainable aud the medium qualities are scarce. It may be owing to the drought, or to the excessive heat, for at several places in the county the thermometer is climbing above 100° every day, and all plants not shaded and heavily watered dwindle and die. Whatever the reason, flowers of all kinds are in demand exceeding the supply. Apparently we are not the only ones, for you may see a gentleman from a neighboring city at the Exchange every day or two buying flowers for a short market, which used to be one of our chief sources of supply when in need.

Much talking is going on about the S. A. F. convention, and the prospect is good for a large delegation. The following have already announced positively that they will attend: Messrs. Vincent, Seybold, Burger, Moss, R. Halliday, Richmond, Seidewitz and Bauer. There are a dozen or two more who hope to be of the party.

Mrs. Mary J. Thomas has started for the Paris Exposition. As she intends taking a tour through the British Isles before returning, it will probably be autumn before she reaches Baltimore again.

Hans Schuler, son of Mrs. Otto Schuler, is spending two months at home. He is as vivacious and chatty as ever, and a conversation with him is next best to a visit to Paris. His statue of Victory, which secured him the Reinhardt scholarship, has been highly praised by Parisian artists, and Baltimore florists may well feel elated over the high distinction that has been achieved by one of the most modest and unassuming of their number.

MACK.

BEGONIA GLOIRE DE LORRAINE

Plants from 2-inch pots,

$2 50 per dozen; $17.50 per hundred.

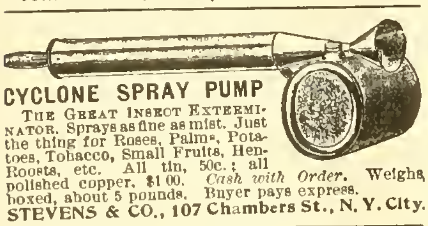
Money Order Office, **Chestnut Hill, Sta. H. Philadelphia.**

EDWIN LONSDALE, Wyndmoor, Montgomery Co., Pa.

FORBES' Grand New BEGONIA **CALEDONIA**

(A pure white variety of Begonia Gloire de Lorraine.) Certificated at R. H. S. London, Edinburgh, Manchester, Wolverhampton, Cardiff, Nottingham, Stockport, Liverpool, York, Dundee and Aberdeen. For all particulars regarding this surpassingly GRAND, STERLING NOVELTY apply to

JOHN FORBES, Nurseryman, HAWICK, Scotland.



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THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, $1 00. *Cash with Order.* Weighs boxed, about 5 pounds. Buyer pays express.

STEVENS & CO., 107 Chambers St., N. Y. City.

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Via Nickel Plate Road, July 27th, at $14.00 for the round trip, with return limit of August 28th, 1900. Tickets will be good on any of our three daily trains. Lowest rates to Ft. Wayne, Cleveland, Erie, Buffalo and other eastern points. For full particulars address John Y. Calahan, General Agent, 111 Adams St., Chicago, Telephone Central 2057. No. 26.

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Fine Plants in all sizes. Well grown, and perfect leaves. One of the best summer and fall plants for retailing. They run from five to twelve leaves, in small size pots that can be shifted and save freight. . . . .

5 to 7 leaves,	$ 6.00	per doz.
7 to 9 leaves,	9.00	per doz.
9 to 12 leaves,	15 00	per doz.

Can be sent safely by freight. Cash, please. Satisfaction guaranteed. . . . .

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CINCINNATI, O.

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		Per 100
5,000 Geraniums, mixed	2¼ in.	$1.50
1,000 Red Vernon	2¼ "	1.50
1,000 Erfordi	2¼ "	1.50
2,000 Begonias, mixed	2¼ "	1.50
1,000 Fuchsias, mixed	2¼ "	1.50
2,000 Salvias	2½ "	1.50

The Morris Floral Co.,
MORRIS, ILL.

Asparagus Plumosus Nanus.

TRANSPLANTED seedling plants for July and August delivery, ready for 2¼-in. pots, at $3.00 per 100, $25.00 per 1000; 500 at thousand rates, (free delivery).

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Send for List of Commercial Varieties.

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Orchids!

Arrived in excellent condition: **Lælia purpurata, L. grandis tenebrosa and Oncidium Varicosum Rogersii.** Also **Cattleya Percivaliana, C. Mossiæ, Lælia anceps and L. autumnalis.**

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

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Pres. Carnot Roses fine plants, 3-in., $5.00 per 100.

Asparagus Sprengerii, strong plants, ready for 3-in. pots, $5.00 per 100, $45.00 per 1000.

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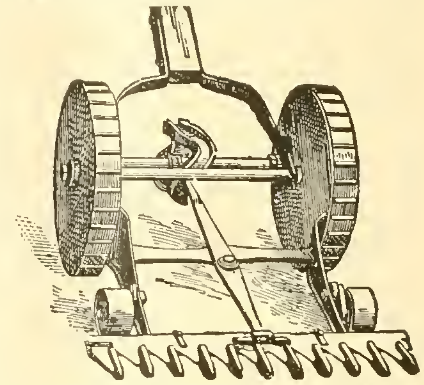
THE MOWER

THAT will **KILL ALL THE WEEDS IN YOUR LAWNS.** If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders of roots, the grass will become thick and weeds will disappear. **The Clipper will do it.**

☞ Send for circulars and prices.



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SMILAX

$1.50 per 100.

FROM POTS.

Samples free to intending purchasers if desired.

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CELERY AND CABBAGE.

CELERY. Pink Plume (extra strong), Golden Self Blanching, Giant Pascal, Golden Heart, New Rose and other varieties, 15c per 100, $1.00 per 1000, $8.50 per 10,000.

CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Drumhead Savoy and other varieties, 15c per 100, $1.00 per 1000, $8.50 per 10,000.

KALE Dwarf, Green, Curled, Scotch, same price as Cabbage. If any of the above plants by mail, add 10c per 100.

CASH WITH ORDER.

R. VINCENT, Jr., & SON, White Marsh, Md.

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OSTRICH FEATHER, QUEEN OF THE MARKET, SEMPLE'S, VICTORIA, VICK'S and TRUFFAUT'S PERFECTION. Fine plants, grown from the best seed in the market, 35c per 100; 300 for $1.00; $2.50 per 1000.

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Fine, strong Seedlings from Flats, 50c per 100, $3.00 per 1000.

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BOSTON FERN, 7 and 8-in. pans $12 and $15 per doz.
GERANIUMS, S. A. Nutt and others, 3-in., $4 per 100.
NEP. CORDATA COMPACTA, 3-in., $5.00 per 100; 6-in., $20.00 per 100.
ASPARAGUS PLUMOSUS, 2½-in., $5 per 100, $40 per 1000. **ASPARAGUS SPRENGERII,** 2½-inch, $4.00 per 100; $30.00 per 1000.
SMILAX, transplanted, heavy, 50c per 100.

CASH PLEASE. **Carl Hagenburger, W. Mentor Ohio.**

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Strong, transplanted plants, White Plume and Boston Market, $2.00 per 1000; 25c per 100.

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Strong 2 and 2½-inch, $9.00 per 1000; $1.00 per 100.

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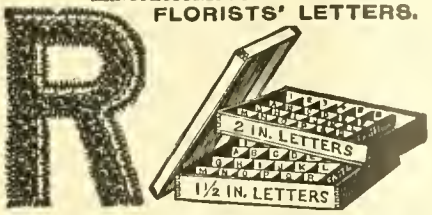

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Cycas Wreaths, Moss Wreaths, Ferneries and Jardinieres, Wheat Sheaves and Immortelles.

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Metal Goods, Moss-Wreathes, Cape Flowers, Immortells, Chenille, Tinfoil, Doves, Baskets, Sheaves, Vases, Jardinieres, Ferndishes, Novelties, etc.

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Cut out of well-seasoned lumber, straight grained, ¼ inch square; a decided improvement over the cane or bamboo. Cut any length desired; always ready for use; 3 ft. at $1.50 per 1000, 3½ ft. at $2.00 per 1000; 4 ft. at $2.50 per 1000; 4½ ft. at $3.00 per 1000; F. O. B. Indianapolis. Remember the freight is cheaper than on cane stakes.

THE VAIL SEED CO., Indianapolis, Indiana.

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Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
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MANURE in car lots.

Pulverized, $8.00 per ton.
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IN SACKS OR BARRELS BY THE TON
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See the Point
The Van Reyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.
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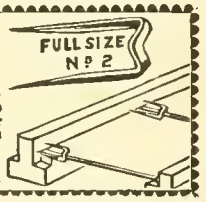

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KIFT'S PATENT **Adjustable Vase Holders**

No 1—Brass, nickled, 4 feet long, 6 clasps to each rod. Price complete (with green or white tumblers) $2.25. Price complete (with green or white cornucopia vases) $2.50. No. 2—Heavy 4 ft. rod brassed and nickeled, with three clasps for 5 to 6-in pots, each, $1.75.
Kift's patent rubber capped Flower Tubes, ½-in. diameter, per 100, $3.50.
JOSEPH KIFT & SON, Florists,
1725 Chestnut St. Philadelphia, Penn.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for $2.50. Without spraying valve, $2.00.
The Hose Connection Co., Kingston, R. I.

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The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Cincinnati.

MEETING OF THE SOCIETY.—ADRIANS THE HOSTS.— PICNIC AND OTHER PLANS.—WITH THE GROWERS.

The monthly meeting of the Cincinnati Florists' Society was held July 12 at Mr. Adrian's place, twenty-three members being present. Mr. Gillett was appointed to wait upon the manager of the fall festival to secure the details regarding the floral floats which are to be the main feature in the parade. It was unanimously decided that the florists of Cincinnati and vicinity build a float to capture first prize. The picnic committee reported that all arrangements have been made and that the sale of tickets is progressing for the outing, July 25. After the routine business had been disposed of the boys were invited to an elegant spread by the hostess, Mrs. Adrian. A goodly number of ladies were present and Mr. Crouch, of Knoxville, Tenn , and Mr. Lodder, of Hamilton, O., were among the guests.

R. Witterstaetter is putting up one house, short-span-to-the-south, 20x100.

G. Brunner's Sons are busy remodeling and enlarging several houses.

George & Allen are remodeling their new place, formerly owned by W. Nolan.

Business remains very quiet; funeral work alone prevents utter stagnation.

H. SCHWARZ.

HARTFORD, CONN.—J. F. Huss, formerly of Lenox, Mass., who has been spending a year at his native place in Switzerland, has taken the position of superintendent of the James Goodwin estate. He is accompanied by Mrs. Huss and two children, a daughter having been born abroad.

CYPRESS

Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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LOCKLAND, OHIO.

Invalid Appliance Co.,
MANUFACTURERS OF
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"The kind that never fall apart."
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GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed.

—ALSO—

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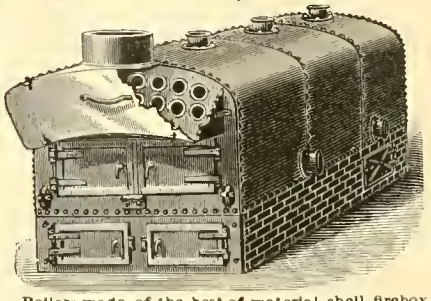

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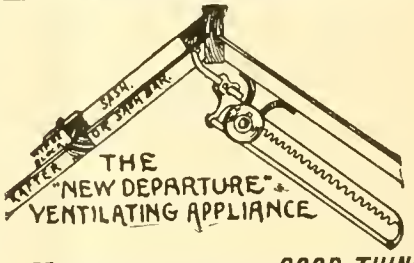

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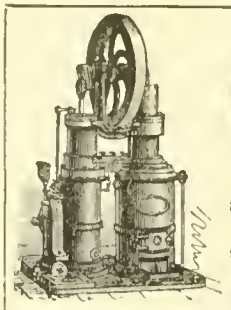

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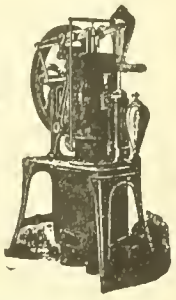

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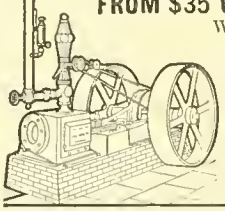

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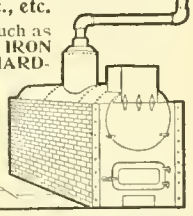

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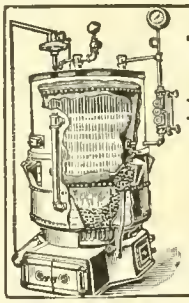

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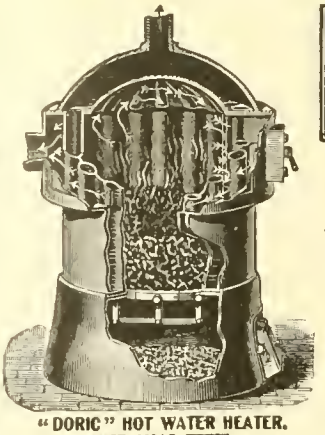

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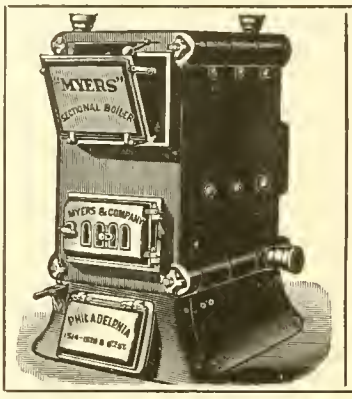

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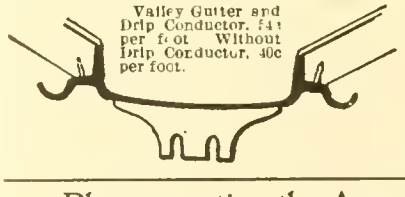

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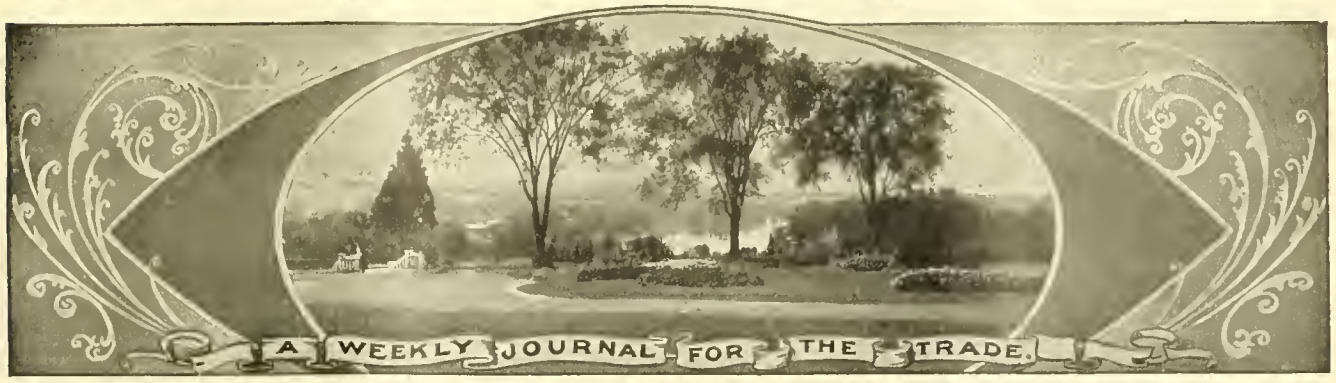

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Vol. XV. CHICAGO AND NEW YORK, JULY 28, 1900. No. 634

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Annual convention at Baltimore, February, 1901. ALBERT M. HERR, Lancaster, Pa., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual meeting at New York, August, 1900. ELMER D. SMITH, Adrian, Mich, secretary.

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Bottomless Pots for Carnations.

The successful experiments in violet culture with bottomless pots induced the manufacturers of these pots to go a step farther and offer a larger size for use in carnation culture. Seeing some good points in this method, we concluded to give it a trial and purchased several hundred of the pots. The results were gratifying and our expectations realized to a great extent. The principal point of gain is in the quick root formation after transplanting from the field, preventing the plants from wilting and reducing to a minimum the retarding, harmful effect of transplanting. Another great advantage is the prevention of stem rot.

The pots we used are four inches high, six inches wide at the top and four and one-half inches at the bottom. The soil was rather light, not poor, but devoid of all semblance of manure or decomposed matter and such as one can get from the field where the carnations were growing. Moisture is all that is required to hasten the formation of new roots; any raw food such as is contained in most newly prepared soil for the benches is harmful at this time, although certainly needed when the plant is again in the condition to assimilate food. The poorer, clean soil is to the plant at this time as is the sand to the cutting; it conveys moisture and a sufficiency of food in easily assimilated form.

The planting was done on the potting bench. The pot was placed on the clean bench, some soil was put in and pressed solidly to about a half-inch in thickness and then the plant was set as in any other pot. No soil will fall through the open bottom unless the compost is half sand. In benching the potted plants we made an excavation a half-inch deep and level at the bottom to receive the pot, care being taken to see that no hollow space is left between the soil in the pot and that on the bench. When filling the pot allow a half-inch space for watering.

We experimented with different varieties, placing them in blocks, side by side with plants of the same varieties benched in the usual manner in soil prepared in the usual way. The advantage is readily seen; the plants in pots are in soil most suitable for a quick root formation in their checked condition, consequently do not wilt and take a ready start for their onward growth. There is no danger of overfeeding, as is often the case in very rich compost, for the roots will not penetrate into the soil below the pots until the plant is in full working order again; then the nourishment is right at hand as the plant is able to consume it and one need not be afraid to prepare the compost at the full strength the plants will require two months after benching. Neither is there any danger of overwatering, which generally retards the formation of new roots; the three and one-half inches of light soil in the pot drains readily into the bench. The bench needs no watering as the plants will be watered in the pot and an occasional syringing will furnish enough moisture to keep the bench soil in the right condition. The usual precautions as to shading, syringing and ventilating should be observed.

The marked difference in the appearance of the plants could be seen at a glance. The plants in the bottomless pots were of a healthier and more advanced growth. As to stem rot, every grower will admit that carnations should not stand wet, although the roots should have an abundance of water. Here we have the solution of the matter. When the roots have penetrated the bench soil there is no need of further watering in the pots; the water which may drop in at a general watering of the bench and the natural capillary action is sufficient and the plants stand dry, without being deprived of the water they need. This condition is, to our experience, the best prevention of stem rot, but, if necessary, a little sulphur may be sprinkled on the surface of the soil in the pots; it will not have any more bad effect than when sprinkled on the leaves and is not easily washed away. When a mulch is to be applied put it between and not in the pots; keep the surface of the pots clean and dry. The pots will not interfere with any kind of support. Supports may be required earlier than with planted out stock, as the plants cannot be set so deeply as in the open bench, but that is only to their advantage.

On the other hand, expectations must not be too high. If a plant comes in from the field infested with the disease, pot culture will certainly not cure it, for our experience is that an infested plant is doomed, and the quicker it is destroyed the better. Pot culture is, however, to our experience, the best preventative measure against a spread of the disease, as it gives the most uncongenial ground for it to start and thrive in.

We suppose the most interesting facts are those in regard to the blooming qualities of the potted plants. We did not keep any count of the flowers cut, but, as before stated, the potted plants showed a marked improvement over the same

varieties planted in the bench. They were the perfection of health, advanced more rapidly, showed stronger growth, which resulted in stronger stems and better flowers. The difference was noticeable at a glance up to January; after that time the benched plants caught up with the pot plants, and the difference was less noticeable, although slightly perceptible up to March. We hardly think that we cut many more flowers from the potted plants than from the bench, but they were certainly better in the fall and early winter.

In general the results were so gratifying to us that we ordered several thousands of these bottomless pots for this season's use, especially for the plants we intend to take in early. True, the outlay is quite considerable, but these pots will last for several years. For medium sized plants a 6-inch pot is large enough, for larger plants the 7 inch size is more desirable. FRED DORNER.

A Provincial English Exhibition.

The chief floral event of the past week in England was the three day's show at Wolverhampton, which is now considered to be second only to the Shrewsbury show, which takes place in August. Roses were the leading feature and I saw a greater variety of these flowers than it had ever been my good fortune to encounter before. Of course they were all shown singly and on short stems and on that account were not as attractive to me as some of the other exhibits, although the flowers themselves were truly marvelous. The displays of sweet peas were superb, put up in the American style, showing their long stems. The colors of the varieties with which I am familiar were more brilliant than we can get them outdoors in America. Among the new ones I noticed particularly Lady Grisel Hamilton, a fine lavender; Countess of Warwick, pink and white; Lady Mary Currie, salmon scarlet, and Burpee's Pink Friar.

Carnations, like the roses, were shown on short stems and the colors were so far from our ideals that they were of very little interest to me. They remind one a great deal of the California varieties, but I must confess that I like the smooth edges better each time I see them. The only American variety I saw was Eldorado and, as far as I was able to judge, it was as good as anything else they have here. Two varieties that struck me favorably were Britannia, a clear yellow, and Mrs. C. Sharpin, clear orange. In form they very much resemble Olympia.

Double tuberous begonias grown in 8-inch pots were almost beyond one's imagination. They were a mass of bloom and I measured some of them five and one-half inches in diameter and five inches deep. All the shades were of a very pleasing nature.

The plant department throughout, both for quantity and quality, would be a revelation to the majority of our American florists. The groups were very artistic, an abundance of bark and moss being used to hide everything but the plants themselves, most of which were of the finer species, such as orchids, ferns, cocoses, grasses, anthuriums, dracænas, specimen allamandas, bougainvilleas, etc., arranged in a very light, airy and irregular manner, the center plant invariably being a specimen phœnix. There were a large number of entries for table decorations and bridal bouquets, but they were nearly all overdone. The arrangement of the flowers in their respective vases was good but in some cases there would be a dozen or more vases on one table, and too many colors were used. There were a few tables that an American judge would call good, but they received no recognition here, and the same may be said of the bouquets.

The specimen flowering plants grown by Cypher, of Cheltenham, were truly wonderful. I measured a Phænocoma prolifera Barnesi, and found it seven and one-half feet in diameter, more perfect in shape than any chrysanthemum plant I ever saw and just a mass of bloom. Ixoras, clerodendrons, bougainvilleas statices, ericas, vincas and allamandas, were just as good, some of them perfect balls in shape. All of these were grown

THE LATE HENRY DALE.

in pots varying from 16-inch to 24-inch. A group of fancy leaved caladiums, shown not for competition, by the gardener of Wolverhampton parks, well earned the gold medal presented him.

JAMES HARTSHORNE.

German Exhibition of Floral Arrangements.

We have before us the reports by our German contemporaries, *Die Bindekunst* and *Moller's Deutsche Gartner-Zeitung*, of the exhibition of floral arrangements, such flowers and other material as comes within the range of this branch of the floral business, held at Frankfort, Germany, June 22 to 24. This exhibition of the work of floral artists was the second effort of its kind made in Germany, the first show having been held at Berlin, April 6 to 10, 1882. It is not to be inferred that this particular branch of the business has been unrepresented in general exhibitions in Germany, but, as is the case in our own country, these exhibits have generally been of more or less secondary interest. This last exhibition was most certainly an unqualified success, both in point of the general interest taken by exhibitors all over the country and for the generous attendance of the public, which appears to have been present from all parts of Germany. It must be remembered, of course, that this show was not a local but a national affair, which accounts for the large scope of the exhibition.

The list of premiums offered was large. In money prizes 128 firsts were offered, ranging from twenty to 1,000 marks each. In addition numerous gold, silver and bronze medals were offered, also special premiums of various articles of value, such as silverware, cups, vases, etc. The largest prize, 1,000 marks, was awarded for the largest and most complete collective exhibit. The exhibits were classified in ten groups, as follows: Group 1, artistic grouping of plants and flowers for decoration of rooms and halls: also winter gardens. Group 2, hand and corsage bouquets, specifying the use of different flowers, eight different styles. Group 3, arrangements in varied form; twenty-three prizes, of which the principal one of 300 marks was for the most original idea in floral arrangement. Group 4, table decorations for twelve persons, prize 200 marks; beside this there were eight other prizes for various styles and sizes on tables arranged for specified uses. Group 5, funeral designs. Group 6, garlands. Group 7, jardinieres filled with foliage or flowering plants. Group 8, cut flowers, such varieties as are suitable in floral arrangements. Group 9, foliage suitable for florists' use. Group 10 includes a large list of articles and material used in the business, such as baskets. wire and other designs.

In the matter of funeral designs it is worthy of note that greens and foliage of all sorts is considered of the utmost importance to all kinds of work. The use of foliage is not restricted, as with us, to a few varieties of adiantum, asparagus and smilax, but includes a larger list of material specially grown for this purpose. The wreath, as we know, is the principal emblem used in Germany for funeral purposes. There is an endless variety in style and material and a corresponding number of prizes were awarded to the various forms.

This exhibition was open to all persons wishing to compete, that is, as to the various classes of arrangements. In group 8 and 9, however, only growers were allowed to compete. Flowers grown outside of Germany were not barred, but it was requested that exhibitors confine themselves to home-grown material, or at least to stock having been flowered in Germany. This was to make the show a genuine German exhibition of both skill in arrangement and material produced.

To judge from the comments of the German press, the art of floral arrangement has made great strides in the right direction in the last two decades. As compared with the exhibition at Berlin in 1882 the show at Frankfort was quite a revelation. Those of us who remember the stiff and formal style of twenty years ago, a style of work to be found almost universally in Europe at that time, would doubtless be surprised at the radical changes that have been made abroad in this line. The stiff forms have given place to loose and natural arrangement and the short-stemmed flowers supported by wire have made way for long-stemmed material. The indiscriminate jumbling of colors is, unfortunately, still present to wear on the nerves, but yet the general trend of the modern florist is in the right direction and color effect is not considered as of secondary importance any more. Of course there were many new and original ideas worked out and, as with ourselves, in striving to be original we often become ridiculous. The unmerciful ridi-

cule which Moller's editor hurled at this class of productions is something refreshing and shows that the German press can be just as free and outspoken in its condemnation as in its praise. Although we find that, as in all exhibitions, there is more or less opportunity for adverse criticism, this was more than outbalanced by the numerous exhibits of highly meritorious qualities, two of which we illustrate in this issue.

Acalypha Sanderi Alba.

This new plant is a sport from the well known Acalypha Sanderi, says *Moller's Deutsche Gartner-Zeitung*, and originated with H. Hasack, of Brechelshof, Silesia, about a year ago. The flowers are described as greenish white in color. A specimen was exhibited at a recent Dresden show, where it received an award as a novelty.

Cannas in Mid-July.

I would say that cannas are in better general condition than they were last year at the same date. We commenced planting June 2, most of the plants being from 3½-inch pots, and since then have had an ample amount of rain and considerable warm weather, conditions favorable to the growth of these plants. There is a difference in quite a number of varieties as compared to last season, particularly as to season of blooming. Nearly all the red sorts are a few days late, although the average size of the clumps is considerably larger. The varieties showing the most bloom at mid-July are Buttercup, yellow; Rosemawr, pink; Conqueror, red, mottled; Admiral Schley, gilt-edged dwarf; Orange Queen, orange; Queen Eleanor, yellow-spotted dwarf; Robert Christie, orange scarlet; Fair Persian, pink, apricot shading; Rosalba, pink. Of the red-flowered varieties those most advanced in bloom are George Washington, Philadelphia, Baltimore, Black Prince and Duke of Marlborough.

Olympia, the new shade of purple, is now showing considerable bloom. Gloriosa is doing well. West Grove, the new pink, is one of the most sturdy dwarf varieties in the whole collection, with flowers and foliage not surpassed by any. Florence Vaughan is making good growth and commencing to bloom. Pillar of Fire, Imp., seven feet in height, is growing vigorously and showing considerable bloom.

Alsace is commencing to flower rather later than last year but is making good growth. Mlle. Berat is developing freely and the flowers will soon expand. Augusta, the largest gilt-edged variety to date, is blooming profusely and Pres. McKinley is rapidly approaching the flowering stage. The improved Lorraine, pink, edged white, is blooming well, as is Emma, the dwarf large red.

Enchantress and Mme. Crozy are in bloom and Triumph, the dwarf scarlet, has commenced to flower, as has Queen Charlotte. Zephyr, dwarf pink, is beginning and Montana, cream white, is flowering freely. Pres. Cleveland is getting under way. Alberta, violet pink with yellow border, and Souv. de Antoine Crozy are well advanced. Luray is growing very vigorously and is about thirty per cent in bloom. Alphonse Bouviere is making fine growth. Fairy Queen is well along and Maiden's Blush not so far. Egandale is doing better than last year. Mt. Etna and Philadelphia are equally advanced, Shenandoah not quite so far. Jacksonii, red, dwarf, is forty per cent in bloom, as is Dr. Nansen, yellow. Coronet, Martha Washington and Paul Marquant are each more backward; the latter shows no bloom at all.

WREATH OF CYCAS LEAVES AND ORCHIDS AT THE EXHIBITION OF FLORAL ARRANGEMENTS, FRANKFORT, GERMANY, JUNE 22-24, 1900.

Italia, Burbank, Allemania and Austria, the orchid flowered varieties, are growing freely but have not commenced to bloom. The new hybrid orchid flowered sort, Mrs. Kate Gray, is blooming but the flowers appear to be rather lacking in substance; in beauty of foliage and vigor of growth it is unsurpassed. Kemp's new hybrid, the result of crossing Duke of Marlborough and one of the orchid flowering sorts, will bloom in the field in a few days. It probably would have flowered sooner but the clump was divided May 23 and the plants were only recently set in the field. The flowers are very large, six inches in diameter, scarlet, petals over two inches wide. It has bloomed under glass and if it endures the sun in the field it will prove a valuable addition to the family.

Comparing varieties is difficult and unsatisfactory at this time because the blooming and other qualities vary greatly with the treatment; the time of potting the tubers and the condition at planting all have a bearing on the condition of the plants. As nearly as can be gauged the following is the stage of development of bloom on July 11, 100 per cent representing full bloom:

Variety	Per cent	Variety	Per cent
Gloriosa	25	Rosemawr	95
Buttercup	97	Duke of Marlborough	10
Conqueror	60	Black Prince	10
Shenandoah	20	Orange Queen	95
Queen Eleanor	80	Philadelphia	50
West Grove	7	Admiral Schley	65
Florence Vaughan	4	Pillar of Fire Imp.	30
Alsace	2	Mlle Berat	7
Egandale	10	Augusta	30
Baltimore	30	Pres. McKinley	10
Empress of India	60	Rosalba	50
Geo. Washington	80	Imp. Lorraine	20
Fair Persian	50	Olympia	40
Emma	30	Robt. Christie	75
Enchantress	50	Yellow Crozy	60
Zephyr	8	Triumph	25
Montana	50	Alberta	25
Luray	30	Queen Charlotte	2
Pres. Cleveland	3	Black Beauty	00
Souv. de Ant. Crozy	25	Alphonse Bouviere	10
Mount Etna	25	Fairy Queen	50
Maiden's Blush	25	Brilliant	10
Janus	00	Paul Marquant	00
Chas. Henderson	00	Martha Washington	5
Dr. Nansen	40	Coronet	10

We have about 18,000 seedling cannas in the field but these will require a separate chapter. ANTOINE WINTZER.

ROCKFORD, ILL.—Harry Woolsey has put up a new office building and is enlarging his greenhouse.

Glimpses of Orange, N. J.

Orange is a big place in many respects. To the railroad traveller it seems to occupy the greater part of the territory traversed by the D. L. & W. railroad. People have been known to age perceptibly during a trip on a train that makes "all the Orange stops." The railroad might find it profitable to provide a dining car for through passengers going to stations beyond "the Oranges," for there is certainly time enough to get real hungry on the way. To the visitor who falls into the custody of an Orange gardener, however, there is no such word as hunger or thirst, either physical or mental.

Orange is known as the most beautiful of New York's suburbs. Lovely private estates, stately villas, homes of comfort and refinement abound. Nature, too, has done much to give Orange her enviable reputation. No more picturesque and impressive scenery for suburban enjoyment can be imagined anywhere than the forest clad steeps of the Orange mountains, dotted here and there with cottages, the outlook from which affords a bird's-eye view of the great metropolis with its harbor, the North and East rivers, New Jersey from the palisades to Bayonne, and Brooklyn and Staten Island beyond.

It was a wise foresight that prompted the acquisition of large sections of this elevated territory as public park reservations. The most extensive of these forest tracts is the South Mountain reservation, comprising an extent of some two thousand acres. It is densely wooded with oak, chestnut, beech, tulip tree and sweet gum, and all it requires is a judicious opening out here and there, with some good roads aud paths to make it an ideal recreation resort for the people. Of like character is the reservation known as Eagle Rock, a steep precipice from whose crest a view of unsurpassed grandeur is obtained.

Branch Brook Park, also in the Essex County Park system, is located in the heart of the great manufacturing city of Newark. For it nature has done nothing except to provide a stream of water through its center, or, rather, what uature once did was long ago obliterated by the ruthless hand of the settler. This territory occupies about forty acres and much money was spent to acquire it and remove the buildings standing on a portion of it. The problem of how to blend in a consistent and pleasing manner, rural effects with the angular outlines of straight streets and the formal surroundings of city buildings, many being of the poorer class, presents itself forcibly here. The plantations are young yet and the future may yet show that the mind that planned the landscape effects knew more than his critics, but to the casual observer it looks as though a vast amount of money had been wasted in moving soil from one place to another for reasons that are not apparent, and it takes a tremendous stretch of the imagination to see anything in the design of a number of booths or shelters that might not have emanated from the mind of a South Sea Islander or of the inmate of some institution for unbalanced folk. And when the native assures the visitor that this noble park system is suffering from the blight of political control and the withering clutch of the spoilsman, evidence is not lacking to apparently support the assertion.

At Llewellyn Park, on the crest of the ridge known as First Mountain, close to the famous plateau of Eagle Rock, is Wildmont, where resides in single blessedness the ex-secretary of the New Jersey Floricultural Society, Jos. B. Davis. Wildmont is a paradise of about twenty-five acres, the indispensable feature, without which no place can be paradise, being well supplied by Mr. Davis' sister, who ably shares with him the pleasant burden of hospitality to the stranger. If you want to see the Orange gardener or florist at home, accept Mr. Davis' invitation for a ride behind Shine Oh. Shine Oh is a twin brother of Rain Oh and likes clover. His master pretends he doesn't think much of him, but he does. Shine Oh does not get over the ground fast enough to suit the sporting instincts of fastidious John Hayes, the gardener over at the Munn estate, but he never flinches at the steepest hill.

The O. H. Munn place is famous for the most extensive series of terraces in America. Planted with showy flowering annuals and perennials, and symmetrically edged with dwarf box throughout,

THE LATE THOMAS LEWIS.

they present a striking picture as viewed from the mansion at their foot and their ascent, although fatiguing on a hot day, is well repaid in the grand view from the rustic arbor at the top.

The J. Crosby Brown estate is presided over by Peter Duff. It occupies about one hundred acres on the ridge of the Orange Mountains. The rose garden is very fine and the greenhouses the most pretentious in this section. In them is much to interest the lover of tropical plants and it needs not the big frame that hangs on the office wall, filled with first premium cards, to convince one that Peter Duff is a tough proposition to run up against in a competitive exhibition. In one house are seen the chrysanthemums in big pots that are to make a sensation at next fall's show. Mr. Duff apologetically remarks, "they're only rubbish." Outside some more "rubbish" is noted—hollyhocks with leaves ten or twelve inches in diameter that bring a sigh of regret as one recalls the hollyhocks of the good old times when the fungus was unknown.

An earnest co-worker with Mr. Duff in the floricultural society is Malcolm MacRorie, who superintends the estate of Dr. Mandeville. Mr. MacRorie loves Orange because its picturesque scenery reminds him of his native Scotland. The trees, lawns and flowers, the plants in the houses, all indicate the well-trained gardener, and at the gardener's home the latch string is always out.

Montclair is one of the most conservative and refined residential districts of Orange. Its numberless well kept lawns and gardens would indicate that it must be a profitable spot for the commercial gardener and florist. A. David Rose, who moved here two years ago and took possession of the old Michie establishment, wears, in addition to his customary good-natured smile, a look of sleek prosperity that speaks well for the business end of Montclair. A. L. Wallace, who has been established here some twelve years has five greenhouses and does a good local and wholesale trade. Robt. Chesney occupies a neat little store on Bloomfield avenue, the main street to Newark, and has a large range of glass some distance away.

At South Orange is the already famous establishment of W. A. Manda. This wonderful place is a most striking example of the results of ambition, perseverance and industry. It now comprises twenty acres with a large range of greenhouses and frames filled to overflowing with choice material. To go through the immense collection of free-flowering perennials, novelties in conifers and other garden stock would require an entire day. Plans are now being carried out to secure a park-like effect by permanent plantations around the boundaries. The sensation of the season has been the evergreen hybrid roses, several new ones having bloomed for the first time.

Another South Orange attraction is the Japanese garden and nurseries. The grounds, four acres in extent, are laid out in Japanese style with a miniature lake, bridges and pagodas and many curiously dwarfed evergreens and other arboreal curiosities.

Herbaceous Plant Notes.

The hardy spring flowering border plants are past some time ago, but there is no lack of bloom in the herbaceous garden. Alyssum argenteum is still a mass of yellow and the broad, compound umbels are most useful for cutting, as they are excellent keepers; the stems are fifteen to eighteen inches long. The improved variety of Erigeron speciosum, called E. speciosum major, is vastly superior to the type, the rays being very long, narrow and fringe like; the disk is also larger and for cut flower purposes we can recommend it highly; a second crop of bloom is produced in fall when the flowering stems are removed close to the ground.

Nearly all the achilleas are excellent for cutting. The golden yellow, broad heads of A. Egyptica may be had with very long stems. A. ageratum is somewhat smaller but bright in color. A. tomentosa aurea is smaller still in every part, but bears its golden yellow, flat heads in profusion from early summer until late autumn; A. Ptarmica and A. serrata are too well known to need mention here, but A. millefolia rubra, a bright carmine-red variety of the ordinary A. millefolia, deserves to be planted largely, not only for ornamenting the border, but also for cut flower purposes; in rich soil it is a constant bloomer from June to fall.

Astilbe Thunbergii, with its long, graceful, feathery spikes of white flowers, and its delicately colored pink companion, A. Chinensis, are both out since the end of June, and are indispensable where cut flowers are grown for summer

use; they require a somewhat moist soil to do their best and also are greatly improved in a partially shaded position. Spiræas require the same conditions; the early bloomers are past their best, but the white S. ulmaria fl. pl. is only beginning to open the first flowers on some of the stems. The beautiful pink, S. lobata, is not fully out either and the delicate, though large and tall growing S. Kamschatica is still in bud. All of these are excellent for cutting.

Veronica spicata and its white variety are in fine condition at present; V. incana, somewhat dwarfer than the foregoing, is now merely beginning to open. Eryngiums, too, are showing the steel-blue color on stems and calyx, and platycodons, with the exception of P. autumnalis, are all blooming profusely. The aconitums are beginning to look well, too; the yellow A. Pyrenaicum and A. lycoctonum are fully out. Among the blue flowering species, A. Tauricum is prominent. Statice Tatarica is in fine shape and the first of the aster-like, large, double, flowers of Stokesia cyanea are opening; they will continue in bloom until fall.

In the above I have mentioned some of the less known, summer flowering hardy plants which are useful for cut flower purposes; there are many more of them equally desirable. J. B. K.

New York.

SPECIAL MEETING OF THE CLUB BRINGS MUCH GOOD CHEER.—REPORTS ON CONVENTION ARRANGEMENTS.—NEW MEMBERS.—LITTLE DOING IN A BUSINESS WAY.—JOTTINGS OF VARYING INTEREST.

The special meeting of the Florists' Club, on Monday evening, July 23, was the largest of the season, there being sixty members present. Beyond the admission of twelve new members the business of the evening was confined to convention matters, the consideration of which was agreeably facilitated by the generous provisions for the inner man which the house committee distributed lavishly throughout the evening. The various sub-committees were all on hand to report progress and things are going along in most satisfactory manner. A number of retail artists were added to the hall decoration committee and an unprecedented success is indicated for this feature. E. A. Asmus declined to act as captain of a shooting team in the sporting section. Mr. Roehrs reported having secured a number of individual prizes for the bowling tournament. It is understood that the shooting affair will come off at Dexter Park, Cypress Hills, and the bowling alleys selected are the Palace alleys on One hundred and Twenty-fifth street. A letter was received from Commissioner Brower stating that the word "Welcome" would be florally inscribed on one of the flower beds in Prospect Park in honor of the visit to Brooklyn of the S. A. F. ladies. A vote was passed inviting the presence at the opening session of the convention of Mayor Van Wyck, the heads of all the city departments and school committee, also the Secretary of Agriculture at Washington and the horticulturists of the experiment stations in the eastern and middle states. An invitation to the school children of New York to come and see the floral exhibition is also to be given. A vase of seedling gladioli from John Lewis Childs graced the exhibition table.

Very little business is being transacted these July days. It has been intolerably hot in the city and those who have not found opportunity to get away to rural retreats and cooler climes have been content to lounge in fatigue dress in range of a draught, where such could be found. As to flowers, but few are coming in and very few are wanted. Messrs. Weir and Mallon, of Brooklyn, make their habitual pilgrimages to Manhattan Island, the former daily, the latter more irregularly owing to the demand for his presence at birthday parties in Brooklyn where his placid features and sage philosophy are highly esteemed. The only flurries of excitement were on Friday of last week, when a brisk little call for flowers for watering place use was developed, and last Saturday, when J. K. Allen ran the price of lilies at Thirty-fourth street market up to $1.50 a dozen all by himself. When asked to explain his position afterwards he responded evasively and rambled off into a yarn, telling how the fire alarm in his town of Kearney had been set off by snakes.

BRIDAL BOUQUET AT EXHIBITION OF FLORAL ARRANGEMENTS, FRANKFORT, GERMANY, JUNE 22-24, 1900.

Frank McMahon sailed for Europe on Thursday, July 26, and will not return until early in October.

Chas. Thorley has returned from Manchester-by-the-Sea, Mass.

In town: E. G. Hill, Richmond, Ind.

Boston.

PERPLEXING STATE OF THE MARKET.—TIME TO ACCEPT INVITATIONS.—ANOTHER GOOD SATURDAY SHOW.—DEMISE OF THAD. PAGE.—VARIOUS NOTES OF LOCAL INTEREST.

A flock of farmers every morning with burdens on their arms, of asters, sweet peas and other outdoor products, and burdens on their minds of anxiety as to what they will get for the stock, or whether they will get anything at all for it; a few crates of roses that look as though they had been through all the troubles that roses are liable to; an occasional forlorn looking funeral wreath or pillow; a bunch of argumentative characters fully capable, in their minds,

of settling all the warlike, political and economic problems now distressing the world and incidentally to fix the price of lilies for next Easter; a prevalent atmosphere of dog day, shirt sleeves, gypsophila, bait, California plums and elusive creditors—that's the state of the market at present writing. It will improve after a while and in the meantime we are open to invitations to participate in any outdoor exercises in which clam bakes, buckboard rides and similar diversions figure. Engraved invitations are not necessary; everything goes.

Another good exhibition at Horticultural Hall on Saturday, July 21, attracted a large crowd of visitors. Sweet peas were displayed profusely and were of excellent quality. Among the contributors in this section were H. B. Watts, J. H. Fletcher, Mrs. H. A. Jones, T. F. Dwight, Mrs. J. B. Lawrence and W. J. Clemsen. All the varieties in each exhibit were carefully named. Mr. Watt's display contained ninety distinct sorts. Herbaceous flowers were again shown in fine form by Blue Hill Nurseries, W. J. Clemsen, Rea Bros. and Carl Blomberg. Oakes Ames showed two new nymphæas, Diana, a cross between Sturtevantii and Ampla for which a certificate of merit was awarded, and Niobe, a cross between Ampla and rubra. E. C. Lewis brought and attractive exhibit of Cupid sweet peas.

Old time Boston florists will be sorry to learn of the death of Thad. Page, which occurred last week after a long and painful illness. Mr. Page was formerly in the employ of Wm. Doogue in his old establishment at Floral Place for several years and was also employed in other prominent florist stores. For a number of years he has been engaged in the scales business in New York.

W. K. Vanderbilt, Jr., was arrested and fined last Saturday for speeding his automobile on one of the Metropolitan parkways. He says he will do it again, having still a little money left with which to pay for fun.

F. S. Davis has just returned from Belgrade Mills, Maine, where he has been fishing. He says he caught—well, all fish stories are alike.

Jas. Rough, Jr., has leased quarters in a new building to be erected this season at the corner of Massachusetts and Huntington avenues, opposite the new Music Hall and Horticultural Hall.

Mrs. O. H. Hanlon, mother of Mrs. J. Mitchell Galvin, died at Mr. Galvin's residence in Dorchester, on July 19.

The cost to the city of the late useless park department investigation is said to be in the neighborhood of $6,000.

Mr. and Mrs. J. R. Newman are spending their vacation pleasantly down in Nova Scotia.

Visitors in town: Edw. A. Mosely, Washington, D. C.; H. S. DeForest, New York city.

Philadelphia.

ABUNDANCE OF FUNERAL WORK MAKES GOOD MATERIAL VERY HARD TO FIND.—MARKET AND PRICES.—COOL ROOMS.—PLANTINGS.—FISHERMEN.

There seems to have been considerable funeral work about the past week, for there was a scarcity of flowers. Good white roses and carnations were held as high as $1.50 per hundred. Ethel Crocker is still selling for $2, but is very scarce. Asters are now coming much better; $1.50 per hundred is asked for the best white and purple, the others going for 75 cents to $1 per hundred. R. Craig & Son's Japanese lilies sell well at from $4 to $10 per hundred. Kaiserins now have the field to themselves among white roses, but they do not fill the bill. The weather being so warm, the growth is very soft and the stems are scarcely strong enough to keep the buds erect. The price ranges from $3 to $6 per hundred. The supply of lily of the valley is very erratic; one day it is plentiful, the next scarcely a spray to be had. The price is $2 to $4 per hundred.

Most of the growers have finished their replanting, and, as far as can be learned, the assortment of varieties will be about the same as last season, with the exception of Beauties, which will probably be more plentiful. Among the innovations we see some plantings of sweetbriar. Sprays of this rose are now considered quite the thing to top off a box of flowers or for the finger bowls at a select dinner.

S. S. Pennock's "coolery" is a popular place these days, but, as with other good things, one has to be careful to not indulge too much. His refrigerating plant is certainly a great advantage over the old system of using ice. H. G. Geiger, at the Floral Exchange nurseries, has fitted up a cool room that seems very satisfactory and is kept cool at slight expense. His paper at the next meeting of the club should prove very interesting. He is now on a vacation to Block Island on the New England coast.

Commodore John Westcott is off again to Waretown with another squad of the boys, Robert Craig and others of this city and W. J. Stewart, of Boston, being of the number. Plenty of fish and a good bright coat of tan, well burnt in, are among the good things assured. K.

Chicago.

MARKET QUIET.—AN OCCASIONAL SPURT OF BUSINESS STRAINS THE RESOURCES.—VERY SMALL CUTS THE RULE.—TOO MANY GARDEN FLOWERS.—WOMAN LANDSCAPE GARDENER LET OUT.—VACATION NOTES.—MANY IMPROVEMENTS IN PROGRESS.—PERSONAL MATTERS OF INTEREST.

There is very little to say as to the state of the market. Business takes an occasional spurt but as a general thing demand is light, which is, perhaps, a fortunate thing, as supplies are at the lowest ebb. What new roses there are show very fair quality now but their number is decidedly small; of carnations there are few of particular excellence and orders for these staples would not be welcome in any great number. When it comes to garden flowers, however, the tale is different. The counters are generally loaded with promiscuous lots of indifferent material which seem to offer little inducement to the buyers to part with their coin, despite the allurements of liberal count offered by many a dealer. Even asters are accumulating and as for sweet peas, the clean-up prices are so low that there is no profit in them for anybody.

Mrs. A. R. McCrea, who was appointed landscape gardener at Lincoln Park on February 14 was dismissed on July 21 but declines to let it go at that. She charges the loss of her official head to political influence and has enlisted the support of her friends and the city press in the effort to secure reinstatement.

C. L. Washburn and family have been spending this week at a resort near Muskegon, Mich. L. G. Greszens and his wife leave to-night for two weeks at Paw Paw lake and later Mrs. Horton will go to Colorado Springs.

At the George Wittbold Company's they are pegging away through a very good summer. Their big stock was greatly depleted during the spring but is being rapidly worked up and everything is looking fine. The boys are aiming to be in shape in the autumn for the best season's business on record.

John Van der Wal has determined to dispose of his place at Washington Heights and pay a long promised visit to his relatives in Europe. No other member of his family is in America but he says he will certainly return.

J. A. Budlong, who is an indefatigable cyclist, is contemplating a trip to New York awheel. If he concludes to indulge himself in this little jaunt, Mrs. Budlong will go down on the special train and join him at the convention.

Kennicotts are adding largely to their capacity for storing wire work, this branch of their business having grown to such proportions that they are obliged to carry a large stock.

Among the week's visitors were Herbert Heller, of the South Park Floral Co, New Castle, Ind., and Harry Balsley, the red and bottomless pot park board president from Detroit.

G. H. Pieser, secretary of the Kennicott Bros. Co., will be one of the convention excursionists, the president, Flint Kennicott, having determined that he cannot attend.

McKellar & Winterson are busy with repairs to their wholesale store, which was rather the worse for the wear of a year's heavy business.

Wietor Bros. are getting into shape for a big cut next season. Their stock is all in fine shape and their roses from young plants are excellent.

A. L. Vaughan, who has been cottaging beside the St. Joe river, is at home for a few days and expects to go east about August 15.

E. E. Pieser left Thursday on the Manitou for Mackinac. His itinerary brings him to New York during the convention week.

Those best informed on the subject claim the convention party from this city will be considerably over 100 strong.

John Muno and Adam Zender and their wives are considering the matter of attending the convention.

J. D. Thompson, of the Chicago Carnation Company, Joliet, Ill., will probably attend the convention.

Lawrence Kelley will return to the employ of the Kennicott Bros. Co. next week.

Many of the growers have the work of benching their carnations well in hand.

Walter Retzer is planning to be one of the convention party.

M. Bloy, of Denver, Colo., is in town for a few days.

Chicago to New York.

The Chicago Florists' Club Committee on Transportation to the New York Convention of the Society of American Florists to be held August 21, 22, 23 and 24, has arranged with the Lake Shore and Michigan Southern Railway for a special train, which will be vestibuled and will contain as many Pullman sleepers as may be necessary, a buffet smoking car, a dining car and a day coach.

The running time of this train will be as follows:

Leave Chicago - 3:00 p. m. Sunday, August 19.
Arrive Niagara Falls 7:30 a. m. Monday, August 20.
Leave Niagara Falls 9:30 a. m. Monday, August 20.
Leave Buffalo - - 10:20 a. m. Monday, August 20.
Arrive New York - 9:00 p. m. Monday, August 20.
(Grand Central Station.)

The railroad fare for the round trip will be $26.70 on the certificate plan. The sleeping-car fare will be $5 for a double berth to New York. But if sleeper accommodations are desired to Buffalo only, sleeper tickets from Chicago to Buffalo may be had for $3 and the remainder of the distance traveled in the day coach.

At Niagara Falls an hour will be devoted to a trip around the Gorge Route Electric Line, which on the American side runs for miles below the falls along the rapids, whirlpool, etc. Special trolley cars will await the arrival of our special train. Those not wishing to take the trip through the gorge can devote their time to seeing the falls in any way they desire.

Returning from New York the members of the party have the option of returning by all rail route, or of taking the boat as far as Albany. And as a daylight ride up the Hudson is an exceedingly enjoyable trip the majority will no doubt take advantage of it.

The boat leaves New York, foot of Desbrosses street, at 8:40 a. m. daily, reaching Albany at 6:10 p. m. A westbound train leaves Albany at 10 p. m., which arrives at Chicago at 9 p. m. next day. To any preferring the lake trip Buffalo to Cleveland the privilege of taking the C. & B. Transit Co.'s boat is afforded.

Berths may be reserved in the special sleepers by addressing L. F. Vosburgh, City Passenger and Ticket Agent, Lake Shore and Michigan Southern Railway, 180 Clark street, Chicago, who will also supply any other information. Railroad tickets and certificates may be had at the above address or at the Lake Shore Station, Van Buren street.

In reserving berths be careful to state whether you wish a berth to New York or to Buffalo only, and mention that you desire to travel in the Florists' Special Train.

By vote of the Chicago Florists' Club the Committee was instructed to invite all florists in the west to travel with the Chicago party and to share the advantages secured by the committee. We shall be pleased to have your company on this trip. The New York convention promises to be a memorable one, and every florist who can possibly do so should go.

Please make your berth reservation as early as possible.

G. L. GRANT,
W. N. RUDD,
WALTER KREITLING,
Transportation Committee.
Chicago Florists' Club.

Building Problems.

ED. AM. FLORIST:—I am building two even-span houses 20x50, one for roses, the other for carnations. The houses will run north and south and 16x16 glass will be used. Please state how many runs of 2-inch pipe will be required in each house, the overhead system of hot water heating being employed. Which of the houses should I use for roses, the one to the east or the one to the west? If you would advise the use of solid beds, how should they be constructed?

A. M. E.

For a well-built, 20-foot rose house with wooden walls, and with the roof of average pitch, a temperature of 60° can be maintained with fourteen 2-inch pipes when the mercury drops to 10° below zero outside. For most varieties of carnations it will be well to use eleven pipes under similar conditions, although good results can be secured with other varieties when only ten pipes are used. There is but little choice in the houses, but under some conditions it would be best to use the east house for roses.

Solid beds are more durable than raised beds as usually constructed, and are particularly valuable where roses are required for summer use and when the plants are to be carried for two years. It is best to construct the walls of brick or cement and thus secure permanency, but plank or boards may be used. Success cannot be secured with solid beds unless thorough drainage is provided. Broken bricks or cobble stones are often used for filling the beds to within eight inches of the surface, but even better results can be secured if the bed is filled with some firm material to within about one foot of the surface, and this is covered with 3-inch drain tile, the lines running across the beds and with the ends even with the outer face of the walls. This use of drain tile favors aeration as well as the thorough drainage of the soil.

L. R. T.

Chicago Sweet Peas.

ED. AM. FLORIST:—Your issue of July 21, makes this remarkable statement, in noticing the sweet pea market of Chicago: "There are sweet peas to throw away, many sales being made at a cent a bunch. The only grower whose stock sells out well is C. W. Northrup, of La Grange, one of Kennicotts' consignors, whose flowers are so good and so carefully bunched that the light colord sorts are always chosen where sweet peas are wanted."

This is the second time within a few weeks that the AMERICAN FLORIST has puffed one grower at the expense of all others. But is there really any justice in this? We, of the Sweet Pea Farm, of Evanston, believe that we are offering daily to the floral public as good sweet peas as can be found in the market, and as well bunched. We put from ten to forty thousand stems daily on our counter at McKellar & Winterson's at half past seven o'clock a. m. and usually are all sold before half past eight. Among them are a great variety of colors, light and dark, but they are so good and well bunched that even the *dark* ones are not left unsold.

N. G. AXTELL.

[We did not state, as our correspondent insinuates, that C. W Northrup's dark sweet peas are left unsold.—ED.]

OBITUARY.

MRS. ISAAC FREYER.

The wife of Isaac Freyer, of Kendallville, Ind., died July 7 after an illness of several weeks. She was 56 years of age, a most estimable lady and an expert in the making of floral designs.

THOMAS LEWIS.

Thomas Lewis, who years ago conducted a flower store on Massachusetts avenue, Indianapolis, died July 18 after a long illness. He was 52 years old and well known and liked by the older members of the trade. In more recent years Mr. Lewis managed the Lakeside and Winona Parks near Warsaw, until poor health forced him to resign. He leaves a widow and three small children. H. J.

WM. M'KELLAR.

William McKellar, who was one of the best known and most highly respected citizens of Chillicothe, O., died Wednesday afternoon, July 18, after an illness of thirteen weeks. Mr. McKellar was born at Paisley, Scotland, January 31, 1833, and consequently was in his sixty-eighth year. He served his apprenticeship at the famed place of the Duke of Argyle and at seventeen he came to America, locating at Jersey City, where he lived for several years. Afterwards he removed to St. Louis, remaining only a few years. From there he removed to Ironton and finally located at Chillicothe, where he has conducted his business successfully for the past thirty-seven years. October 3, 1859, he was married to Mary Johnson, at Ironton. Mrs. McKellar, died ten years ago, They leave eight children, Mrs. Theodore Miller, who resides at home; James McKellar, of Columbus; Mrs. John Hancock, of Columbus; Chas. McKellar, of McKellar & Winterson, wholesale florists, Chicago; Miss Daisy, Arthur and Oliver, who lived at home; and Albert, who is in the Philippines. All the children, with the exception of the last-named, were in constant attendance at their father's bedside during his last illness. That Mr. McKellar's business associates and fellow citizens realized his worth as a man and their loss as a community was eloquently attested at the obsequies, which were largely attended.

HENRY DALE.

The leading rosarian of the Dominion of Canada passed away July 15, after a ten day's illness, blood poisoning being the cause of his demise. Henry Dale, or Harry, as he was almost universally known to the trade, was born at Dorking, Surrey, England, in 1851, and came of a family of market gardeners. When the boy was twelve years old the father removed to Canada, locating at Brampton. In 1870 the son became a partner in the business which had been established, but in 1881 he started for himself, market gardening but growing a few roses and gradually increasing this branch of his establishment until he had a range of 200,000 feet of glass and a reputation as a rose grower which extended all over America. It was years ago that Mr. Dale began to be known outside his own bailiwick. He was one of the first to adopt the methods of the present day and has long been a leader in all things tending to the betterment of the trade. He was a member of all the big and active societies, the Society of American Florists, the American Carnation Society, the American Rose Society and the Canadian Horticultural Society, and their interests were always his interests. Mr. Dale had a splendid business and to keep pace with the largely increased demands of the past season he was building six new houses, two of them 840 feet long. He had, for some years, looked forward to the day of his demise and planned to leave his big industry in competent and well-trained hands. His executors, Thos. W. Duggan and Wm. Algie, will carry on the business, with Mr. Dale's brother, Edward, in charge of the houses and stock. Mr. Dale lost his wife early in this year and the shock was so great that he never fully recovered. He leaves a son, Edward, and five daughters, the eldest being the wife of Wm. Algie, one of his executors. At the funeral, July 17, there was a wealth of floral tokens, sent, many of them, from considerable distances, and the gathering of florists included nearly all in that section of Canada and a number from the United States.

THE AMERICAN FLORIST

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line, Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed, **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent; 52 times, 30 per cent.

Cover space sold only on yearly contract at $1.00 per inch, net, in the case of the two front pages, regular discounts applying only to the back pages.

The Advertising Department of the AMERICAN FLORIST is for Florists, Seedsmen and Nurserymen and dealers in wares pertaining to those lines *only*.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., CHICAGO.

GOOD growers of greenhouse stock are in strong demand.

EVERY grower should see that his greenhouses are insured against hail.

CLEAN up all seasonable work in order that you may have time to attend the convention.

SOW mignonette indoors about the middle of August to bloom from December 1 onward.

THE annual convention of the Canadian Horticultural Society will be held at Montreal, August 16 and 17. For programme see our issue of July 14, page 1506.

To avoid the rush at the S. A. F. convention send your annual dues ($3) now to Secretary Stewart, 67 Bromfield street, Boston, Mass. Those not already members should send $5.

WITH this issue the AMERICAN FLORIST completes its fifteenth volume, a total, with covers, of 1788 pages, excelling the fourteenth volume, itself larger than any of its predecessors, by 128 pages.

THE second annual chrysanthemum show of the Putnam County Horticultural Society will be held at Cold Spring-on-Hudson, N. Y., November 8 and 9. The premiums are liberal. Copies of the list may be obtained by addressing, J. A. Connolly, secretary, Cold Spring.

IT should be understood by past members of the S. A. F. that those who have been identified with the national society in the past but who for any reason have allowed their membership to lapse, that the former rule charging up back dues to delinquent members was rescinded by vote of the society some time ago and that the roll book is open to all who desire to join, at any time, as new members. The remittance of $5 to Secretary Stewart, 67 Bromfield street, Boston, Mass., will entitle the applicant to full membership for the current year, regardless of past affiliation.

American Carnation Society.

CARNATIONS REGISTERED.

E. A. Nelson, Indianapolis, Ind.: Mrs. E. A. Nelson, in color a beautiful pink, a little darker than Scott; calyx never bursts; growth strong and healthy; stem two and one-half feet long, strong enough to hold the flower erect; flowers from three and one-fourth to four inches in diameter; begins to bloom early and is a free bloomer.

ALBERT M. HERR, Sec'y.

New York Hotels.

At the request of Walter F. Sheridan, chairman of the reception committee, we herewith present a list of the hotels of New York for the information of those who will attend the approaching convention of the Society of American Florists:

EUROPEAN PLAN.

	Rates per day.	Miles to Hall.
Savoy, 59th st. and 5th av.	$2 00	1
Netherland, 59th st. and 5th av.	2 00	1
Metropole, Broadway and 42d st.	1 00	½
St. Cloud, Broadway and 42d st.	1 50	⅛
Manhattan, Madison av. and 42d st.	2 00	⅛
Marlborough, B'dway and 37th st.	1 50	½
Murray Hill, Park av. and 40th st.	1 50	⅛
Grand Union, Park av. and 42d st.	1 00	near
Imperial, Broadway and 32d st.	1 50	¾
Grand, Broadway and 31st st.	1 50	¾
Victoria, 5th av. and 27th st.	1 50	⅞
Ashland, 4th av. and 25th st.	1 00	¾
Continental, Broadway and 20th st.	1 00	1⅛
Union Square, Union sq. and 15th	1 00	1½
Everett, Union sq. and 17th st.	1 50	1⅛
St. Denis, Broadway and 11th st.	1 00	1⅝
Cosmopolitan, W. Broadway and Chambers	1 00	3
Astor House, Broadway opp. General P. O.	1 00	3
Holland House, 5th av. and 30th st.	2 00	¾

AMERICAN AND EUROPEAN PLAN.

	Am.	Europ.	Miles.
May's, 50 West 28th st.	$1 50	$1 50	⅞
Broadway Central, Broadway opp. Bond	2 50	1 00	2

AMERICAN PLAN.

	Per day.	Miles.
Fifth Avenue, 5th av. and 23rd st.	$5 00	1
Sturtevant, Broadway and 28th st.	2 50	⅞

Visiting members may have rooms reserved at any of the above hotels by applying direct, or through the chairman of the hotel committee, S. S. Butterfield, P. O. Box 1697, New York, specifying grade of accommodation desired. Most New York hotels are conducted on the European plan.

"Plant Culture."

This is the title of an exceedingly useful book for florists and gardeners just issued by the A. T. De La Mare Printing & Publishing Co., Ltd., 2–8 Duane street, New York. The author is George W. Oliver, the skillful propagator at the U. S. Botanic Garden, Washington, D. C., who writes on a great number of subjects in a thoroughly practical manner and in language which all can understand. Growers will find the book a valuable guide on the numerous greenhouse and outdoor questions which come up for consideration every day in the year. We can supply it on receipt of the price, which is $1 per copy.

The Henry Shaw Medal.

The St. Louis Florists' Club desires to call attention to the fact that in June, 1893, the board of trustees of the Missouri Botanical Garden founded a gold medal to be known as the Henry Shaw Medal for the introduction of a valuable plant and to be awarded each year, when practicable, for a new plant of value for cultivation exhibited in St. Louis, as a part of the premiums or prizes at a flower show or exhibition provided for in the will of the late Henry Shaw, provided that the judges or other persons making awards at such exhibition shall certify that said medal is "awarded to a plant of decided merit for cultivation, not previously an article of North American commerce and introduced to such commerce by the exhibitor during the year in which said award is made."

Numerous plants worthy of the award of this medal are each year introduced into the American trade, and the undersigned will at any time gladly furnish detailed information to their introducers as to the time of holding the flower show at which they may be exhibited in competition for the medal. This year the medal will be offered as a part of the premiums placed in the hands of our local Florists' Club for award at our annual chrysanthemum show to be held in St. Louis, November 14 to 16, 1900.

J. J. BENEKE, Manager.
EMIL SCHRAY, Secretary.

The Discount Question.

"A correspondent, who every year receives a circular from a Dutch horticultural firm, has this year, apparently by a mistake, received the circular intended for his gardener. The circular announces that 'to gardeners only' a discount of 10 per cent is allowed on all orders above £10. This seems to throw some light on the recently agitated question of the illegitimate commission in business. It also, as our correspondent suggests, helps to explain the generous view the average gardener takes of a garden's necessities."

The above cutting, from the *Daily Chronicle* of the 12th, has been sent to us for our opinion and publication. The former is scarcely necessary, as it is obvious that discounts of this kind cannot be paid honestly; the ordinary five per cent is a heavy tax on the trade, and anything beyond is usually made up at the expense of the purchaser in one way or another. We do not think, however, that we are in a position here to raise a howl of indignation against the foreigner who adopts this questionable style of pushing trade, while several houses are well known to pursue the same tactics by bribing gardeners right and left all over the country. A short time ago a well known firm in the Midlands sent a traveler round offering ten per cent down on the order, and another five per cent when the account was paid. We only hope he met with the same reply in other quarters that our informant gave him.

This is a most urgent question, and would have been taken up ere this by the new Trades' Association, but its discussion is being held over until the result is seen of the bill now before parliament; this may alter the situation so largely that it would not be wise to take action until its fate is settled one way or the other.—*Horticultural Advertiser.*

SITUATIONS, WANTS FOR SALE.

Advertisements under this head will be inserted at the rate of 10 cents a line (seven words) each insertion. Cash must accompany order. Plant advs. not admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1900 is entitled to a five-line WANT ADV. (situations only) free to be used at any time during the year.

SITUATION WANTED—By a reliable florist, as foremen or to take charge; lifetime experience; English, married. C R, care Am. Florist.

SITUATION WANTED—By German Florist, single, age 35, sober and reliable; in flower store, to learn cut flower trade, good reference.
GUSTAVE KLOSSE, 172 E. Madison St., Chicago.

SITUATION WANTED—By a first-class cut flower grower and propagator of all plants for wholesale place; a good worker; 30 years' experience; American, married, small family. Best of references. Address
C B, care American Florist.

SITUATION WANTED—By experienced mushroom and vegetable grower, outdoors or under glass. Would like an insight into floriculture. Neat, clever workman. Unquestionable references.
W. I. ARMSTRONG, Streator, Ill.

SITUATION WANTED—By a first-class grower of roses and carnations, also chrysanthemums, violets, palms and ferns; 18 years' experience; single; speak English and German. Address
J B, care American Florist, Chicago.

SITUATION WANTED—As florist or landscape gardener; 9 years' experience. Can grow roses, carnations, 'mums and violets; married, and with best references. Address
JOHN F. POAGUE, Put-in-Bay Island, O.

SITUATION WANTED—As clerk in retail florist's store; four years' experience in store and greenhouse; am good salesman and have had some experience in designing and decorating. Good references. Address E L, care American Florist.

SITUATION WANTED—As foreman, by a first class grower of roses and cut flowers; general plantsman; single, age 33 A first-class place wantud. Best of references. Open for engagement now or later. Address GROWER, care American Florist.

SITUATION WANTED—By specialist in growing herbaceous plants, and head of large florist establishment; competent in most all branches of horticulture. Life experience; highest recommendations. Address K S, Box 128, Long Branch City N. J.

SITUATION WANTED—By two brothers, one an expert designer, maker up and decorator, the other a grower, plantsman, designer and first-class all-around man; the two qualified to take charge of place and store. A No. 1 references. Address FLORISTS, Peoria Heights, Peoria Co., Ill.

WANTED—Florist who understands growing carnations. CARNATION, care Am. Florist.

WANTED—800 feet of 4-inch cast iron hot water pipe and fittings. MRS. H. SALVESON, Petersburg, Ill.

WANTED—Address of Louis Truxler, a practical and ornamental florist THOS R. BULL, Bakersfield, Cal

WANTED—A single florist who also can grow mushrooms successfully. Send references and state wages expected CHRIS. HANSEN, St. Paul, Minn.

WANTED—A girl who is thoroughly experienced, in a fine florist establishment Wages $18 to $20 a month, with board. Ad. T M, care Am. Florist.

WANTED—A florist who can grow roses, carnations, 'mums and general bedding stuff Send references and wages. Address K D, care Am Florist.

WANTED—Rose grower to take charge of section Maids and Brides. Must be fully competent. Address or call. BRANT & NOE, Forest Glen, Chicago.

WANTED—An assistant for good commercial place. State lowest wages Only honest and sober man need answer. German preferred. Address PAUL LIEBSCH, Batavia, N. Y.

WANTED—Florist, single, German, to grow cut flowers and general greenhouse stock. Address SAGINAW GREENHOUSE, 1317 N. Michigan Ave., Saginaw, W. S., Mich.

WANTED—Experienced man for general greenhouse work on retail place. State wages with or without board. References. Address MICHIGAN, care American Florist, Chicago.

WANTED—Good man to take charge of Beauty section; single man preferred Will pay good wages to right man. Address JOHN MUNO, Touhy and Western Aves., Rogers Park, Chicago.

WANTED—An A1 all around man as foreman on a retail place. Must be sober and reliable. Good wages paid to the right man. Apply with reference to C C, care American Florist.

WANTED AT ONCE—A young with some experience in greenhouse work; must be willing to take care of horse. State wages wanted with board. Address FRED. J. KINO, 220 Madison St., Ottawa, Ill.

WANTED TO RENT—A greenhouse plant of about 15,000 feet of glass in good repair and suitable for growing mushrooms; within twelve miles of Chicago. Address X Y Z, care American Florist, Chicago.

WANTED—A first-class plantsman; must be well posted in ferns, cyclamens, primulas, begonias, and a good propagator of general bedding stock. Good references required, A single man preferred. State wages expected. Apply to WM NICHOLSON, Pleasant Hill Conservatories, Framingham, Mass.

WANTED—Thoroughly first-class gardener to take charge of a large place in the Adirondacks. Married man without children desired. Must be capable of making improvements on grounds in accordance with plan furnished. Wages $75.00 per month, house, vegetables and milk. Please do not apply unless requirements can be met as stated above. J. WILKINSON ELLIOTT, Landscape Architect, Pittsburg, Pa.

FOR SALE OR RENT—Six greenhouses, dwelling, sheds. Bargain. W. L. WINN, White Hall Ill.

FOR RENT—Four greenhouses 14x71, with office 21x23, with rooms. Call at 1144 School St., Chicago.

FOR SALE—300 feet of 4-inch cast iron pipe, in good condition, at 10c per foot. Address E. F. OVERMAN, Wabash, Ind.

FOR SALE—One No. 16 Hitchings hot water boiler in good condition; new grate bars; $75 00. MRS. H. SALVESON, Petersburg, Ill.

FOR SALE—Free fuel, 5000 feet glass. Great chance for florists or gardeners. Only $500 cash. Account sickness. Write quick. FREE FUEL, care Am. Florist.

FOR SALE—Greenhouse containing 6,000 feet of glass with house and barn in connection. Everything in good conditon and well stocked. One-fourth cash, balance time. FRED PLAGOE, Elgin, Ill.

FOR SALE—At reasonable price, four greenhouses with stock, heated by steam, near four cemeteries; no opposition. Electric cars pass the office. Reason for selling, age. Address INDIANA, Care American Florist.

FOR SALE—Rare chance to a reliable grower and greenhouse man. In city of 20,000, half interest in established business, 5000 feet of glass, hot water. Have other business Fine opportunity. E F C, care American Florist.

FOR RENT—Three greenhouses and living rooms, situated two blocks from electric cars and four blocks from railroad station and within from one to three miles of five large cemeteries Address or call, P G, 127 Wells St., 2nd floor, Chicago.

FOR SALE—Lease, stock, etc, of place of 5000 feet of glass in Chicago suburb, all in good condition. Stock first-class and more than is needed. Will sell very cheap; cash wanted. Reason for leaving, am going to Europe. Address J D, care American Florist, Chicago.

FOR SALE—In A1 condition, fully stocked, 5000 feet of glass on four lots in best part of city. Well established and doing good business. Cheap fuel and no competition for sixty miles. Owner has other business and can not give personal attention. Don't answer unless you mean business Address ILLINOIS, care American Florist.

Situation Wanted.

A competent greenhouse foreman or manager is open to engagement. Good plantsman, with special knowledge in the growing of roses, carnations and chrysanthemums. Best of references. Address

A B C, care American Florist.

Wanted

Two First-Class Rose Growers. GOOD Wages to Proper Parties.

SOUTH PARK FLORAL CO., NEW CASTLE, IND.

To Rent GREENHOUSE PLANT

Of 8 Houses, all in operation, situated in Iowa. Address

"IOWA," care of American Florist, Chicago.

FOR RENT.

Greenhouses suitable for Carnations or Lettuce; 12,000 feet of glass, with ¾ acre of ground; 8 miles from center of Chicago; good R. Rs. and trolley lines.

Address **Vaughan's Seed Store, Chicago.**

For Sale...

200 Boxes 10x14 A Double Thick Glass at **$2.80** per box; also one second-hand hot water boiler, including water back and grate bars in good condition; heating capacity 4000 feet of 4-inch pipe. Price $75.

GEO. REINBERG, 306 Balmoral Ave., CHICAGO.

FOR SALE.

Fixtures and good will of A1 Cut Flower Store in Chicago. Buyer should have cash and be able to run a first-class place.

Inquire of J. C. VAUGHAN.

FOR SALE

Thirteen (13) Greenhouses, situated in city of Allegheny, Pa., containing twenty-three thousand (23,000) square feet of glass. All steam heated and in good running order. Will sell houses at low price and lease dwelling and land, or will sell entire plant. Possession immediately. Address

J. M. REEVES, Warren, O.

FOR SALE OR RENT.

15,000 square feet of glass, all new houses with modern improvements, heated by steam. House and barn and one acre of land, best retail stand outside of city limits right opposite Woodmere Cemetery entrance, one of the largest cemeteries in the state of Michigan, two blocks from railroad depot. This place can be rented for $50 00 per month without stock. Or I will give you work, to find out what you can make. Reason for selling out, I have too much other business to attend to. Address

ANTON KAIER, Woodmere, Mich.

FOR SALE

240 acres of land on Isthmus of Tehauntepec, state of Vera Cruz, Mexico. For full particulars write

ROLAND HUGHES,
846 New York Life Bldg. KANSAS CITY, MO.

FOR SALE With 10 Year Lease, One of the best places in Chicago.

Modern store with fine, large show house fronting 50 feet on West Madison street, opposite Albany avenue. This is an ideal location, being in the center of the best population on the West Side. Everything is new and perfect, having been built by me, and for my own use, less than eight months ago. I also have one of the finest delivery rigs in the city. I will also lease, very cheap for 10 years, one acre of land in Oak Park and near Madison street; it is fine for growing and is now planted with outdoor stock. My health compels me to sacrifice my business and go west and if you want a fine place and a money maker, see mine; it must be seen to be appreciated.

T. J. CORBREY,
1409-1411 W. Madison St., CHICAGO.

FOR SALE

On western coast of Michigan, two lots, two greenhouses, all modern appliances, in excellent condition. Good business location. Good opportunity for energetic man. Price $2,200.00. Write for particulars.

For sale or rent, near Erie, Pa., lot 100x150, large two story dwelling and four greenhouses almost new. Good glass and well heated. Excellent business location. Price $2,000.00, easy payments. Write for particulars.

Any of the above named properties is a fine bargain, and those desiring to purchase will do well to communicate with us. These are only a few of the properties that we have for sale and leasing.

SMITH & SMITH,
P. O. Box B69. 345 Sixth Ave., PITTSBURG, PA.

FOR SALE.

GREENHOUSE PROPERTY

At Nyack, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler; and seven houses, each about 64x11 ft., heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO.,
233 Mercer St. NEW YORK.

NOTICE

—OF—

STOCKHOLDERS' MEETING.

CHICAGO, July 21, 1900.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Murray Hill Hotel, New York, N. Y., Wednesday, August 22, 1900, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

F. R. PIERSON, Pres.
M. BARKER, Sec'y.

Always mention the.....

American Florist

when writing advertisers.

Indianapolis.

LARGE MONEY PRIZES FOR FLOWERS AT THE FAIR.—VARIOUS JOTTINGS, PERSONAL AND OTHERWISE.

The premium list of the State Fair is ready and obtainable from the secretary. Five hundred dollars in premiums are offered for floral exhibits. There were but four exhibitors last year and only half of the prizes were competed for.

Contrary to the experience of other years, July has been a money making month for retail florists, owing chiefly to a great amount of funeral work.

Jacob Forest, the Greenfield florist, visited Indianapolis last week. He reports excellent trade and intends enlarging his range of glass.

Charles Wheatcraft is giving his place an overhauling, rebuilding some of his older houses.

John Bertermann and family have gone to Put-in-Bay for a two weeks' stay.

H. J.

McKEESPORT, PA.—W. F. Dickinson is rebuilding four houses, two of them 20x100 and two 15x70. He will heat them by steam and grow a general stock. Trade is holding up well.

Wholesale Flower Markets

CINCINNATI, July 26.

Roses, Bride	2.00@ 4.00
" Bridesmaid	2 00@ 4 00
" Meteor	3.00@ 4.00
" Perle	2.00@ 3.00
Carnations	.75@ 1 00
" fancy	1.50@ 2.00
Gladiolus	4.00
Stocks	2.00
Sweet peas	.25
Tuberoses	3.00
Smilax	12.50@15.00
Adiantum	1.00
Common ferns	.15
Asparagus	50.00

ST. LOUIS, July 26.

Roses Bride, Bridesmaid	2.00@ 4.00
" Meteor	2 00@ 5 00
" Perle	2.00@ 3.00
Carnations, common	.75@ 1.00
" fancy	1 50@ 2.00
Ismene Lilies	4.00@ 5.00
Smilax	12.50
Adiantum	.60@ 1.00
Hollyhocks	1.00
Tuberoses	4.00@ 5 00
Gladioli	2.00@ 4 00
Asters	1.00@ 2.00

MILWAUKEE, July 26.

Roses, Beauty, medium per doz.	1.50@ 2.00
" " short " "	.50@ 1.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	4.00@ 5.00
" Kaiserin	4.00@ 6 00
Carnations, ordinary	1.00
" fancy	2.00
Auratums lilies	15.00
Adiantum	.75@ 1.00
Common ferns	.25
Gladiolus	4.00@ 5 00
Asters	.50@ 1 00
Smilax	15.00
Asparagus	65.00
Galax leaves	.20
Sweet Peas	.15

PITTSBURG, July 26.

Roses, Beauty, fancy	20.00@25.00
" " extra	10.00@15 00
" " No. 1	5 00@ 8 00
" " culls	2.00@ 4 00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor	2.00@ 6.00
" Perle	2.00@ 6.00
" Cusin	2.00@ 4.00
Carnations, ordinary	.50@ 1.00
" fancy	1 50@ 2.00
Lily of the valley	2 00@ 4.00
Sweet peas	.10@ .50
Daisies	.25@ 1.00
Smilax	12 50@15 00
Gladiolus	4.00@ 6.00
Adiantum	.75@ 1.00
Asparagus	35 00@50.00
" Sprengeri	.25@ .35
Dagger Ferns	1000, $2.00
Asters	1.00@ 3.00

DENVER, July 25.

Roses, Beauty, select	12.50@20.00
" " ordinary	4.00@ 8.00
" Bride, Bridesmaid	3.00@ 4.00
" Meteor	5.00@ 6.00
" Perle, Wootton	3.00@ 5.00
Carnations, ordinary	1.00@ 1.50
" fancy	1.50@ 2.50
Lily of the valley	4.00
Callas	12 50
Harrisii	12.50
Sweet peas	.15@ .35
Asparagus	50.00
Smilax	18.00
Ferns	.30

Everything in the CUT FLOWER line.

WIRE WORK, the kind that will give satisfaction.

and a complete line of FLORISTS' SUPPLIES.

HOLTON & HUNKEL CO.,

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When writing mention the American Florist

CUT FLOWERS.

Shipping orders receive prompt and careful attention.

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PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Street, ALL FLOWERS IN SEASON. PITTSBURG, PA.

GALAX LEAVES, Brilliant Bronze or Green, $1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at market prices.

HARRY A BUNYARD, - 42 WEST 28TH STREET, NEW YORK.

NEW CROP

Northern Ferns

NOW READY, 50 cts. per 1000. LAUREL FESTOONING, 4c to 6c per yard. Best goods always.

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BOSTON FERN ...A... SPECIALTY.

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For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

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....AN....

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 387 pages, containing the name and address of every florist, nurseryman and seedsman in America, new list of private gardeners and horticultural supply concerns and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.

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Roses ALL FLOWERS IN SEASON **Carnations**

When you want them.
As you like them.

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Wholesale Cut Flowers,

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McKellar & Winterson's
Modern Supply House.

Send for Prices on all Supplies.
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Give us your order now together with your needs in
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WIETOR BROS.

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All stock at lowest market rates. Send in your orders.
51 Wabash Ave., CHICAGO, ILL.

Seen by New Firms:

AMERICAN FLORIST ADVTS.

Wholesale Flower Markets

CHICAGO, July 27.

Roses,	Beauty, extra long stems		3.00
"	" 30 inch	"	2.50
"	" 24 "	"	2.00
"	" 20 "	"	1.50
"	" 15 "	"	1.25
"	" 12 "	"	1.00
"	" 8 "	"	.75
"	Bride, Bridesmaid		3.00@ 5.00
"	Perle		3.00@ 5.00
"	Meteor		3.00@ 5.00
"	La France		4.00@ 5.00
"	Golden Gate		6.00@ 8.00
"	Liberty		6.00@ 8.00
Carnations			.75@ 1.00
"	fancy		1.50
Lily of the valley			3.00@ 5.00
Mignonette			2.00@ 6.00
Sweet peas			.50
Adiantum			.50@ 1.00
Common ferns			.15
Fancy ferns			.20
Smilax			8.00@12.00
Asparagus			50.00

Lynch WHOLESALE FLORIST. 64 WABASH AVE. CHICAGO
S. E. Cor. Wabash Ave. and Randolph St.

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WHOLESALE
CUT FLOWERS

Hunt's Flowers
Go Everywhere

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500,000 FEET OF GLASS.
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Wholesale Dealers and Growers of **Cut Flowers**
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Write for special quotations on large orders.

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37-39 Randolph Street, CHICAGO, ILL
Mention the American Florist.

Benthey & Co.

F. F. BENTHEY, Manager,
Wholesale Commission Florist
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Consignments solicited.....

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Wholesale Cut Flowers
AND FLORISTS' SUPPLIES.
Agents for the Hinsdale Rose Co. Special attention paid to shipping orders.
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Samuel S. Pennock, Wholesale Florist,

1612-14-16-18 Ludlow Street, ...PHILADELPHIA, PA.

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DURING THE SUMMER WE WILL BE OPEN FROM 7:30 A. M. TO 6:00 P. M.

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WELCH BROS., PROPRIETORS.

NOTICE:—WELCH BROS., Sole Agents for FREYSTEDTS' Immortelle Letters and Emblems. Block Letters, $2.00 per Script Letters, $4.00 per 100.

THE NEW ENGLAND HEADQUARTERS FOR THE BEST GRADE OF FLOWERS AT ALL SEASONS OF THE YEAR.

8,000,000
Hardy Cut Ferns

Now is your time to buy at 40c per thousand in five or ten thousand lots, 50c per thousand for less. Sphagnum Moss, 50c per bbl; Bouquet Green, 4c per pound. Laurel Roping, $4.00 per 100 yards. All orders by mail or despatch promptly attended to.

THOMAS COLLINS,
Hinsdale, - Mass.

Carnation Blooms

In Unlimited Quantities

SHIPPED TO ALL POINTS.

Chicago Carnation Co., JOLIET, ILL.

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All Florists' Supplies,

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Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.

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Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.....

ELECTRO OF THIS LEAF, POSTPAID, $1.25.

American Florist Co.,
CHICAGO.

It is good business policy to mention the ...AMERICAN FLORIST when you write to an advertiser.

Wholesale Flower Markets

PHILADELPHIA, July 25.

Roses, Tea	1.00@ 2.00
" " extra	3.00@ 5.00
" Beauty, extra	12.00@15.00
" " firsts	5.00@ 8.00
Carnations	.50@ .75
" fancy	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Asparagus	35.00@50.00
Smilax	12.50@15.00
Adiantum	.50@ .75
Sweet Peas	.20@ .30
Asters	.75@ 1.00

BOSTON, July 25.

Roses, Beauty, extra	15.00@20.00
" " medium	4.00@ 6.00
" " culls	1.00@ 2.00
" Bride, Bridesmaid, Meteor	.50@ 3.00
" extra	3.00@ 5.00
" Kaiserin	6.00@ 8.00
Carnations	.50@ 1.00
Lily of the valley	2.00@ 4.00
Asters	.5°@ 1.00
Candytuft, Gypsophilia, etc., per bunch	.10@ .15
Sweet peas	.05@ .10
Smilax	8.00@10.00
Asparagus	50.00
Hardy ferns	.20

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations, and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., Buffalo, N. Y.
Also Dealer in Florists' Supplies & Wire Designs.

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A complete line of Wire Designs.

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SUCCESSOR TO
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1322 Pine St., ST. LOUIS, MO.

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1604 LUDLOW STREET,

'Phone 1-42-69-A. PHILADELPHIA.

Consignments Solicited.

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Consignments of Choice Valley and Roses solicited.

Geo. M. Moss, WHOLESALE FLORIST,

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Long Distance 'Phone 1-41-26 D.

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27 S. 11th St., Telephone 63-64, PHILADELPHIA.

Orders by mail, telegraph or telephone will receive prompt attention.

Consignments of good stock solicited.

...GEO. M. KELLOGG...

Largest Grower of... in the West. Cut Flowers

Give us an order and we will please you.

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Consignments of Roses, Carnations and Violets. Solicited.

The Cincinnati Cut Flower Co.,

416 Walnut St., CINCINNATI, O. WHOLESALE FLORISTS.

Consignments Solicited.
Special Attention Given to Shipping Orders.

J. M. COHEN, Florist,

Telephone 2385.
CONSIGNMENTS SOLICITED.

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TOP GRADE
Carnations
BEAUTIES, BRIDES, BRIDESMAIDS, METEORS.
Lily of the Valley.
JOHN I. RAYNOR, 49 West 28th Street, NEW YORK.
Telephone No. 1998 Madison Square.

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JUNE SPECIALTIES. Orchids, Roses, Carnations.
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Wholesale Commission **Florist,**
New and Commodious Establishment at 57 West 28th St., NEW YORK.
Prepared to handle large or small consignments of cut flowers to growers advantage. Telephone 2200 Madison Square.

JOHN YOUNG,
ROSES, CARNATIONS, VALLEY
and all other choice cut flower stock.
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New Telephone No. 1905 Madison Square.
Price list on application.
Please mention the American Florist when writing.

THE RECOGNIZED HEADQUARTERS IN NEW YORK CITY FOR
Violets Carnations.
GROWERS and BUYERS make a note of this. It will be to your advantage.
WM. H. GUNTHER,
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New Telephone No. 551 Madison Square.
Please Mention the American Florist.

FRANK MILLANG,
CUT FLOWERS,
WHOLESALE COMMISSION,
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N. Y. CUT FLOWER EXCHANGE
404-412 E. 34th St. Near Ferry.
Open for Cut Flower Sales at 6 o'clock Every Morning.....
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
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TELEPHONE 733—18th.
Choicest Stock Shipped on a Commission.

Choice Carnations Choice Roses
Traendly & Schenck
NEW YORK CITY
New Telephone No. 270 Madison Sq.
38 W. 28th Street Cut Flower Exchange

Wholesale Flower Markets

NEW YORK, July 25.

Roses, Beauty select	15.00@20.00
" " medium	4.00@ 6.00
" " culls	.50@ 2.00
" Bridesmaid, Bride, Meteor	.25@ 1.00
" " " Select	3.00@ 4.00
Carnations	.50@ 1.50
Lily of the valley	2.00@ 2.50
Sweet peas....per 100 bunches	1.00@ 2.50
Harrisii	4.00@ 8.00
Cattleyas	20.00@30.00
Gladioli	1.00@ 1.50
Asters	.50@ 1.00
Auratum lilies	3.00@ 4.00
Smilax	8.00@12.00
Asparagus	25.00@35.00
" Sprengerii, per doz. bunches	.75@1.00
Adiantum	.25 .50

BUFFALO, July 26.

Roses, Beauty	15.00@20.00
" Bride, Bridesmaid, Meteor	3.00@ 6.00
" Kaiserin	6.00
Carnations	1.00@ 1.50
Lily of the valley	3.00@ 4.00
Sweet peas per dozen bunches	.30@ .75
Auratum lilies	10.00@12.50
Roseum "	4.00@ 6.00
Gladioli	2.00@ 4.00
Asters	1.00@ 2.00
Smilax	15.00@20.00
Adiantum	1.00@ 1.25
Hardy ferns, Galax leaves	.20@ .25
Asparagus	50.00@75.00

MILLANG & CO.
WHOLESALE
Commission Florists
48 West 29th St., NEW YORK.
New Telephone No. 1304 Madison Square.
Capable, experienced. Consignments solicited.

Remember us to our advertisers.

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119 and 121 West 23d Street,
112 and 114 West 24th Street,
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CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

WALTER F. SHERIDAN,
New Telephone No. 902 Madison Sq. Wholesale Florist.
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ROSES SHIPPED to all points. Price List on Application

Ford Bros...
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111 West 30th Street, NEW YORK.
Consignments Solicited. 'Phone, 157 Madison Sq.

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ROSES. CARNATIONS. VALLEY.
CHOICE SUMMER STOCK.
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There Are Buyers
For all kinds of good stock advertised in.....
THE AMERICAN FLORIST

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At the new address, 106 West 28th St., New York City, draws the crowd. Consignments carefully handled and well sold. Excellent facilities.
Telephone 197 Madison Square.

EDW. C. HORAN,
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Tel. 421 Madison Square, ...NEW YORK.
CUT FLOWERS AT WHOLESALE.

The Seed Trade.

AMERICAN SEED TRADE ASSOCIATION.
ALBERT MCCULLOUGH, Pres.; F. W. BOLGIANO, Vice-Pres.; S. F. WILLARD, Wethersfield, Conn., Sec'y and Treas.

THE prices of French bulbs are now reported firmer.

PRICES of fancy winter seed wheats have recently gone higher.

VISITED CHICAGO: Albert McCullough, of J. M. McCullough's Sons, Cincinnati.

THE blue grass crop is a good one but the stock carried over is lighter than last season.

C. CROPP, of Vaughan's Seed Store, Chicago, and family are on vacation at The Dells, Wis.

W. R. MCCUTCHEON, formerly with Wm. Rennie, of Toronto, Ont., has taken a position with the Albert Dickinson Co., of Chicago.

R. & J. FARQUHAR & Co., of Boston, Mass., are partially refitting and have furnished a new and commodious office fronting on South Market street.

Washington.

AQUATICS AT KENILWORTH.—ACRES OF WATER LILIES.—BUSINESS NOT ACTIVE.—DECORATIONS.

At Kenilworth, D. C , W. B. Shaw has about three acres of aquatics in ponds two feet deep. There is one acre of hardy nymphæas, about the same of tropical varieties and three-quarters of an acre of night bloomers. The balance is mostly devoted to nelumbiums. A few small ponds are devoted to cabombas, which are in good demand, and he is making preparations to increase his stock. He has a small greenhouse, heated by hot water to start his nymphæas in but finds it too small and thinks he will build a larger one this fall. These ponds are filled from a number of springs and are well stocked with bass and other fine fish.

J. H. Small & Sons had the order for the funeral of E. G. Boardman. The drawing room was decorated with palms and the mantle banked with ferns. There was a great number of handsome pieces.

The new palm garden at Cabin John Bridge opened July 21 and the flowers were furnished by A. Gude & Bro. Each patron was presented with an American Beauty rose.

The weather is very pleasant after a much needed rain and summer flowers are showing up very well. Stock is in every way equal to demand. P. G.

Richmond, Ind.

Armed with a large sized paper tablet and a brand new pencil, your correspondent wended his way bright and early one morning toward the E. G. Hill establishment with a view of interviewing Mr. Hill, who has recently returned from a two months' trip abroad. To my disappointment, however, I found Mr. Hill just ready to take the 10 o'clock train for Philadelphia, with not a moment to spare. Thus my attempt to give your readers the benefit of Mr. Hill's observations abroad came to naught, for the time being at least.

There is, however, sufficient interest centering about Mr. Hill's establishment itself, to keep one on the move for an hour or two, and that regardless of the excessive heat. Preceded by the genial Mr. Hoffman, I took a stroll through the houses. Who says that small and medium sized kentias are scarce? There is no scarcity of them here. I saw thousands of them, both kentias and latanias, in benches as well as in pots, in as fine, vigorous and healthy a condition as one could possibly desire. Asparagus plumosus nanus and Asparagus Sprengerii in various stages of growth are not the least to interest the visitor. There are thousands upon thousands of them, yet, Mr. Hoffman remarked, "the supply will barely keep pace with the demand."

Then there are the new geraniums in the field. As grown on Mr. Hill's grounds, one cannot question the value of the new things which he has given us in the past year or two. His new geraniums for 1901, which Mr. Hill selected with great care in France, about fifteen in number, promise to surpass even any of his recent introductions. There is one especially, of the Bruant family, that is bound to make its mark and become a great favorite with all geranium growers.

Nor can I omit making mention of the carnation field. Strong, healthy and vigorous, this will about describe the present condition of the plants. Ethel Crocker, The Marquis, Lawson, Genevieve Lord and a host of others too numerous to mention are seen here at their best.

Ground has been cleared and graded for the erection of two additional houses of the same dimensions as the big one built last summer. It is doubtful, however, if the undertaking will be attempted before next spring, although the building material, glass, pipe, etc., is on the place.

Both Mrs. Hill and Mrs. Lemon accompanied Mr. Hill to Philadelphia. They intend going to Atlantic City, New Jersey, where they may stay a few weeks.

Beach & Chessman are tearing down two houses to make room for a new one, to cover 46x75. Their entire plant will likewise receive a thorough overhauling.

NOMIS.

JOHNSON & STOKES' GIANT KINGLY PANSIES.
We have searched the world to get this strain up to its present standard of perfection, and it is now pronounced by our customers as unrivalled in size, substance of flower and richness of color. Trade pkt., 50c; ¼-oz., $1.25; oz., $5.00. **FRESH SMILAX SEED**—Per oz., 25c; per pound, $2.50.
ALLEGHENY DOUBLE FRINGED HOLLYHOCK.—Our Floracroft Strain. Trade pkt., 25c; ¼ oz. pkt., 50c; per oz., $1.50. **CINERARIA.**—James' Giant Strain, per pkt., 25c; ½ trade pkt. 60c; tr. pkt., $1.
CALCEOLARIA.—James' Giant strain, per pkt., 25c; trade pkt., 60c.
We are ready to book orders for White Romans, Freesias, Callas, Paper White Narcissus, etc.
JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., Philadelphia, Pa.

FRESH FERN SPORES.
WE ARE HEADQUARTERS—Extra large package of fresh Spores, sufficient for 3000 plants, with full cultural directions, postpaid for $1.00.
EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

CALIFORNIA
Calla Bulbs
Through our Exchange Sales with best Pacific Coast growers of these roots we are able to deliver choice, carefully cured and evenly graded roots at closest growing prices.
FIRST SIZE, 1¼ to 1½-in. diam., doz. 75c; 100 $5.00.
SELECT. 1½ to 1¾-in. diam., doz. $1.25; 100 $7.00.
EXTRA SELECT, 2 to 2½-in. diam., doz. $1.50; 100 $9.00.
EARLY DELIVERY means much. Getting these bulbs when you want them is everything. Late surpluses at half price are not bargains.
VAUGHAN'S SEED STORE,
NEW YORK: 14 Barclay St. **CHICAGO:** 84-86 Randolph St.
Please mention the American Florist when writing.

ESTABLISHED 1802
THORBURN'S SEEDS
We have still left some fresh seeds of the following Palms in fine condition:
KENTIA FORSTERIANA, per 1000, $4.00; 5000 to 10,000 at $3.50; 10,000 and over at $3.00.
Also **CYCAS REVOLUTA STEMS** in assorted sizes, 3 lbs. to 12 lbs., at $8.00 per 100 lbs., while unsold.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

NOTICE.
We are now ready to give you LOWEST estimates for FIRST-class stock of
Freesias, Harrisii, Callas, Romans, Paper White Narcissus, Hyacinths, Tulips, Van Sions, Japan Longiflorum, Azaleas, Etc.
Send us list and we will give figures. Address
H. H. BERGER & CO., (Est. '78) **47 Barclay St., N.Y.**
Please mention the American Florist when writing

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Einzige Special Zeitschrift der Welt für **BLUMENBINDEREI.**
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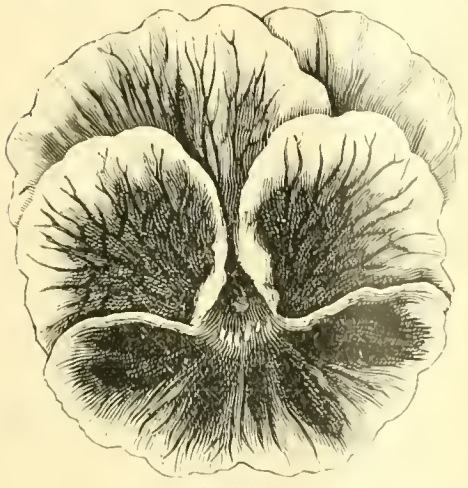
FRUIT AND FLOWER PLATES
Seed Packets and Supplies of all kinds for
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and Lithographing. Illustrated Catalogues a specialty.
VREDENBURG & CO., Rochester, N. Y.

NEW CROP PANSY SEED.



Vaughan's International Mixture.

This mixture is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. It has been made up and sold by us for ten years, and has been improved upon every year, until now it cannot be beaten. Every florist knows Vaughan's International Mixture. Price, per oz., $10.00; 1/8 oz., $1.50; trade packet, 50c.

Vaughan's Giant Mixture.

This mixture is made up specially for those whose trade demands large flowers. It contains all the separate colors of Giant Trimardeau, the Giant Bugnot and Cassier and other special strains which cannot be had any other way. Price per oz., $4.00; 1/8-oz., 60c; trade packet, 25c.

GIANT TRIMARDEAU.—Mixed, per oz., $1.00; 1/8 oz., 20c; trade packet, 10c.

CHICAGO PARKS BEDDING.—Mixed, per oz., $1.00. 1/4 oz., 30c; trade packet, 10c.

SOW NOW.

MIGNONETTE "BISMARCK."—Our Machet has a very good reputation, and is the best strain in existence. This new sort is an improvement on it, both in color and size of flower, and we want every florist to try it. Pkt. 15c.; 1/4 oz. 50c.

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE.—This mixture is composed of the most salable colors of Single Flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors, enough to give a large variety of colors, the most important shades predominating. It contains some of the Giant sorts, some fern leaved, some blue; also some with dark leaves and stems. Packet, 350 seeds, 50c; five packets, (1750 seeds) $2.00; per 1-16 oz., $2.50.

NOTE.

We will make special mixtures for Florists who have preferences in the composition and proportion of colors and types.

NEW CROP.

CYCLAMEN PERSICUM GIGANTEUM.—This seed is grown for us by an expert in Europe. We have taken his entire crop for the past four years, and find it to be the finest strain we have ever seen.

	100 seeds.	1000 seeds.
GIGANTEUM ALBUM.—Mont Blanc, pure white	.75	$5.00
DEEP CRIMSON.—Very large	.75	5.00
ROSA VON MARIENTHAL.—Splendid pink	.75	5.00
WHITE, CARMINE EYE	.75	5.00
GIANT FLOWERED SORTS.—Best mixed....1/8 oz., $1.50;	.50	4.50

VAUGHAN'S COLUMBIAN CINERARIAS.—This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Per T. pkt., about 1000 seeds, 50c; 3 pkts. for $1.25.

CALCEOLARIA HYBRIDA.—Our mixture is composed of the choicest selections of the tigered, marked, spotted and variegated varieties and we know it will give entire satisfaction. Trade pkt. (1000 seeds), 50c.

GLOXINIA HYBRIDA.—Vaughan's mixture; trade pkt (1000 seeds) 50c.

ASPARAGUS SPRENGERII.—50c per 100; $4.50 per 1000 seeds.

SMILAX.—New crop, trade pkt., 10c; oz., 30c.

RUBBER APRONS.

Realizing that a good waterproof Apron is something every florist needs, we have had some made specially for us, and can guarantee same will give satisfaction. Each, $1 50; three for $4.00; dozen, $15.00; (six at a time at dozen rate.) If to be sent by mail add 25c each, extra for postage.

CHICAGO, 84-86 RANDOLPH STREET. **VAUGHAN'S SEED STORE,** NEW YORK, 14 BARCLAY STREET.

Herr's Pansies

ALWAYS THE BEST AND BETTER EVERY YEAR.

They sell themselves. Try 100 as an experiment.

Plants only, and ready October 1st to January 1st.

FREE BY MAIL,

75c per 100, 250 for $1.50; 500 for $2.50.

By Express at Your Expense, $4 per 1000.

ALBERT M. HERR

LANCASTER, PA.

Chrysanthemums.

5000 IVORY,

1000 MME. F. BERGMANN.

$3 per 100, - $25 per 1000.

Also many other varieties in limited quantity.

NATHAN SMITH & SON, Adrian, Mich.

HAIL!

FOR INSURANCE AGAINST DAMAGE BY HAIL, Address

JOHN G. ESLER, Sec'y F. H. A.,

SADDLE RIVER, N. J

A Point Worth Knowing.

At the NEW YORK HOTEL you are but two minutes' walk from the Exhibition Building. Large, light and well-ventilated rooms, one dollar per day and upward. Popular priced Restaurant. Special rates to Florists. Write early for accommodations.

E. H. NIES, Mgr.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER ...OF...

ARECA LUTESCENS,
KENTIA BELMOREANA,
PHOENIX RUPICOLA.

DRACAENA INDIVISA and VINCA VARIEGATA

	Per 100
4-in. pot Dracænas (fine stocky plants)	$10.00
2¼ " Vinca Variegata Vines	2.50
Plants " " " from flats	1.50

2½-inch Coleus, Crimson Verschaffeltii, Golden Queen and mixed colors, $2.00 per 100.

Cash With Order or C. O. D.

WM. A. CLARK & SON, 59 State St., Watertown, N. Y

THE MURRAY HILL HOTEL

Park Ave., 40th and 41st Sts.,

NEW YORK.

One block from Grand Central Station.

Two blocks from the S. A. F. Convention Hall.

AMERICAN AND EUROPEAN PLAN.

Coolest Hotel in the city, at special rates for S. A. F. Members.

Baggage transferred to and from Grand Central Station FREE OF CHARGE.

SPECIALTIES IN BEST ....VARIETIES

ROSES, from 3-inch pots.
CARNATIONS, for all delivery.
CHRYSANTHEMUMS.
SMILAX.
VIOLETS.

Prices low. Send for list.

WOOD BROTHERS, FISHKILL, N.Y.

Edward B. Jackson,

WHOLESALE FLORIST.

Hardy Herbaceous Plants Only.

In any quantity, for the least money.

STAMFORD, - CONN.

If You Have Stock To Sell...

the best way to make that fact known to the trade is by regular advertising in ...The American Florist.

Give it a trial.

THE NURSERY TRADE.

AM. ASSOCIATION OF NURSERYMEN.

THEO. J. SMITH, Pres.; N. W. HALE, Vice-Pres.; GEORGE C. SEAGER, Rochester, N. Y., Sec'y.

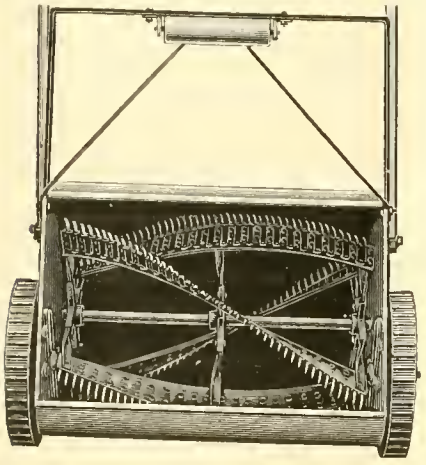
MANY nurserymen say that there will be more planting this fall than in any previous autumnal season.

J. M. BRIDGES, of Bloomfield, Ind., has bought a farm near Dugger, Ind., and will remove his nurseries there.

W. M. PETERS' SONS, the well known Maryland nurserymen, last fall planted large quantities of peach seed and recently reported that it looked then as though they would have 1,500,000 to bud.

The Finley Lawn Rake.

The common garden rake is an ancient implement and has changed but little in principle of construction throughout the ages, although the form has been frequently modified to meet specific requirements. The rotary lawn rake, however, is a complete departure from the time-worn ideal and affords another illustration of the inventive genius of modern days. As in many other familiar cases, the new machine is simplicity itself; and when one looks upon it for the first time

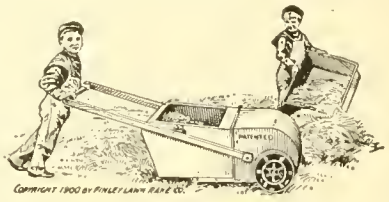


PRINCIPLE OF THE FINLEY LAWN RAKE.

expression is given to the trite phrase, "Its a wonder somebody didn't think of it years ago." The manner in which the idea was stumbled upon is commonplace.

C. E. Finley, of Joliet, Ill., the inventor, spent his days in the city, retiring for rest and recreation to his suburban home, where much of his leisure time was devoted to amateur gardening. Saturday afternoons he mowed the lawn and on Sunday mornings raked up the grass in the old-fashioned way. It was tiring work in the hot summer months, and Mr. Finley often thought there should be some easier and more expeditious method. It was an unusually hot Sunday morning, as the inventor tells it, when the idea occurred to him, "Why not a lawn rake on the carpet-sweeper principle?" He had it. The rest is simply the story of drawing designs, constructing patterns, making a model, tests, improvements, etc., until a company was formed, special machinery devised and the invention was placed on the market a few months ago.

As already hinted, the principle of construction in the new rake is that of the carpet-sweeping machine. The teeth, as shown in the illustration, pick up the lawn debris—including loose grass, leaves, twigs, litter, paper, orange and banana skins, peanut shells, windfalls from fruit trees and even stones as large as chestnuts—and the blades in which the teeth are set, being rotary, cause a suction which carries it to the capacious receiver. The parts are few in number, strong and well put together. The machine is so light that a moderately strong boy can do as much work on a



FINLEY LAWN RAKE IN OPERATION.

lawn with it in one hour as the average man can do in four with an ordinary rake.

Many well known men in the trade have already tested the machine or seen it in operation and it meets with their general approval. There should be a future for it in public grounds, parks and cemeteries as well as in private establishments.

Helpful Reminders.

One is apt to neglect the permanent plants and trees about the place and their special requirements are more easily ascertained now than at any other time. A shrub that has recently flowered shows the older twigs inclined to be sluggish, while there are young sprouts trying to make their way to light and form blooming branches for next season. Take a sharp knife and cut the old branches completely out. As a rule well-grown branches will bloom for three years and the four years' wood should be cut out each July. Careful observation will, however, induce you to make exceptions to any rule.

With larger trees less is thought of the flowers but more of the general form. Where old trees are dying, cut off all the dead wood but do not take off any more foliage than is necessary, even through it may be on branches that would be undesirable for appearance sake; every leaf is valuable just now for manufacturing the building material that is stored in the bark for next season's growth. Go over the trunk and branches and cut out all decayed wood, paint the wounds or fill the large holes with cement or wax; be sure that they are so filled that water will not lodge. If the tree is on a lawn where you can work around it, dig up the surface as far out as the branches extend, working in well decomposed manure; cover the ground thus dug with hay and make it secure from wind by drawing a few cords across. In October bind the trunk with straw. In one year the new bark should have welded itself over the edges of all the wounds and strong growth with large leaves pushed out in many places; then you can thin out and trim for the sake of appearance, and remake the lawn. Where other plants interfere with digging around a tree, take a post auger and bore many holes; this will aerate the soil and the lighter soil and manure can be put in the holes. This should be done every two years with all lawn and sidewalk trees, before they show signs of decay.

Clematises should be well drained, for they cannot endure standing water. The subsoil should be of good loam to retain moisture for a long while, the surface should be loosened for quite a radius from the stem and old cow manure worked in and, with a good trellis, success is insured. C. B. W.

Choicest Fruit and Ornamental Trees.

Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses of Palms, Everblooming Roses, Ficus, Ferns, Etc. Correspondence solicited. Catalogue Free. 47 Years. 1000 Acres.

THE STORRS & HARRISON CO., Painesville, O.

FIELD GROWN, OWN ROOT ROSES

ALL the best sorts, tender and hardy. Our solicitor will visit you and make prices, regardless of where you live or quantity you want, if you will drop us a card at once.

The Howland Nursery Co. Los Angeles, Cal.

Send to THE MOON Company

For Your { Trees, Shrubs, Vines, and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO., Morrisville, Pa.

VEGETABLE PLANTS.

	Per 1000
CABBAGE, Flat Dutch and others	$1.00
CAULIFLOWER, Il. Early Snowball	1.50
PEPPERS, Bullnose Ruby King	1.50
BRUSSELS Sprouts	1.00

All Fine, Large Plants, Ready to Plant Out.

J. C. SCHMIDT, - Bristol, Pa.

For Fall Delivery.

FIELD GROWN ROSES. CLEMATIS,

Ornamental Shrubs, Twining Shrubs, Etc.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

J. Austin Shaw will be in Omaha, Kansas City and St. Louis this week. Mail will find him at general delivery, St. Louis, Mo.

Large Elms.

25 fine specimen Elm trees 6 to 9-inch caliper, 25 to 40 feet high, with well developed heads. Have been several times transplanted and will lift with excellent roots and balls of earth. Send for price list.

SAMUEL C. MOON, MORRISVILLE, (Bucks Co.), PA.

Please mention the American Florist when writing.

GOLDEN GATE.

200 Golden Gate Rose Plants, 3-inch, $3.00 per 100.

First-Class Stock.

FRED J. KING, Ottawa, Ill.

American Florist Advts. Always Sell Stock.

DREER'S SPECIAL OFFER OF PALMS.

The sizes enumerated below are of special good value, in fine condition and certain to give entire satisfaction.

KENTIA BELMOREANA.

ARECA LUTESCENS.

A fine, clean, thrifty lot of this popular graceful variety.

			Doz.	100
2¼-in. pots,	1 plant in a pot,	6 to 8-in. high,	$ 1.00	$ 6.00
3 "	2 " " "	10 to 12 "	1.25	10 00
4 "	3 " " "	12 to 15 "	3 00	25.00
6 "	3 " " "	24 "	12.00	100.00

KENTIA BELMOREANA.

Inch pots.	No of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3 to 4	8-in.	$1.50	$12.00	$100.00
3	4 to 5	10 to 12 "	3.00	25.00	200.00
4	5 to 6	15 "	4.50	35.00	
5	5 to 6	18 " light	7.50	60.00	
			Each.	Dozen.	
6	6	24 "	$1.25	$15.00	
6	6 to 7	26 to 28 "	1.50	18 00	
6	6 to 7	28 to 30 "	2.00	24.00	

KENTIA FORSTERIANA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3	8-in.	$1.50	$12.00	$100 00
3	3 to 4	12 "	2.50	20.00	180.00
4	4 to 5	15 "	4.50	35.00	
5	5	15 to 18 "	6.00	50.00	
			Each.	Dozen.	
6	5	24 to 28 "	$1.00	$12.00	
6	5 to 6	30 "	1.25	15.00	
6	6	28 to 32 "	1.50	18.00	
6	6 to 7	30 to 36 "	2.00	24.00	
7	6	36 to 42 "	2.50	30.00	

COCOS WEDDELIANA.

Indispensable in filling Fern Dishes, Jardinieres, or for decorative purposes where a specially graceful plant is required.

		Per doz.,	Per 100
2¼-in. pots.	4 to 5-inches high,	$1.25	$10.00
3 "	8 to 10 "	2.00	15.00

5-inch pots, 4 plants in pot, 18-inches high, 75c each; $9.00 per dozen.

COCUS PLUMOSUS.

2¼-inch pots. ......$1.00 per doz., $ 8.00 per 100.
3 " .... 1.25 " 10.00 "

ARECA BAUERI.

5-inch pots, 2 plants in a pot, 18-inches high, 75c each; $7.50 per dozen.

CALAMUS INTERMEDIUS.

A pretty decorative species with dark green foliage, the stems of which are clothed with long dark spines. 5-inch pots, 15 inches high, $1.00 each.

CARYOTA URENS. (Fish Tail Palm)

2¼-inch pots................$1.00 per doz., $ 8.00 per 100
3 " " .... 1.25 " 10.00 "
4 " " .... 2.50 " 20.00 "

CARYOTA SOBOLIFERA.

2¼-inch pots, $1.00 per dozen, $8.00 per 100; 3-inch pots, $1.25 per dozen, $10.00 per 100.

LATANIA BORBONICA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3		$ .60	$ 5.00	$40.00
3	4 to 5		1.00	8.00	75.00
4	4 to 5	12 to 15-in.	2.50	20.00	

LIVISTONA ROTUNDIFOLIA.

2-inch pots................$1.25 per dozen; $ 8.00 per 100
3 " " .... 2.00 " 15.00 "

PHŒNIX RUPICOLA.

This variety is always scarce; we offer a limited lot of finely developed plants.

2-inch pots.........$1 00 per dozen; $ 8.00 per 100
3 " .... 1.25 " 10.00 "
4 " .... 3.50 " 25.00 "

Finely characterized specimens as below:

6-inch pots, 18 inches high...........$1.50 each.
8 " 24 to 26 " " .... 2.50 "
9 " 30 " " .... 3.50 "

PHŒNIX RECLINATA.

2-inch pots................$ .75 per dozen; $ 6.00 per 100
3 " .... 1.00 " 8.00 "
4 " .... 3.00 " 25.00 "

Large Decorative Plants of Kentias.

We have a large stock of Belmoreana and Forsteriana in both single and made up Plants, the most of them growing in light wooden tubs 12, 15 and 18 inches in diameter, which can be supplied in excellent value at $7.50, $10 00, $12.50, $15.00, $20.00, $25.00, $30.00, $35.00 and $50.00 each.

The smaller sizes from $7.50 to $20.00 are somewhat damaged in the foliage but for decorative purposes they are the best value we ever offered.

For a complete list of Palms, Ferns and other Seasonable Stock, see our current Wholesale Catalogue.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

XXX Stock For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM—Finest strain in the world. Now ready to ship; a splendid stock of plants in four true colors, red, white, pink, and white with carmine eye, from 2½-inch pots, **$5.00 per 100; $40.00 per 1000:** from 3-inch pots, **$7.00 per 100, $65 00 per 1000.** 250 at the 1000 rate.

SPECIAL OFFER. CINERARIA HYBRIDA MAXIMA GRANDIFLORA and Maxima Grandiflora Nana strain superb in every way, transplanted from flats, strong plants, **$1.50 per 100; $12.50 per 1000.** 250 at the 1000 rate.

CHINESE PRIMROSES, (ready Aug. 15th) in the finest market varieties, including blue, double white and red, from 2¼-in. pots, $2.50 per 100.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Geranium America...

The **QUEEN** of all Geraniums Come and see. 3000 plants in full bloom. Good, strong stock plants from 4-inch pots,

$2.50 per doz. $20.00 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

VIOLETS

From pots, A1 stock, free from disease; Lady Campbell, M. Louise and Farquhar, $2.50 per 100, $20 per 1000. New Imperial, $3 per 100, $25 per 1000.

ROSES, fine plants of Meteor and Perle, from 3-in. pots, at $4 per 100; also 3-in. Brides and Maids, same price.

300 bushy **SMILAX PLANTS** at $1.50 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

ELECTROS

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock. Our collection includes the leading

ANNUALS
BIENNIALS
HARDY PERENNIALS
POT PLANTS
FLORISTS' FLOWERS
TREES AND SHRUBS
Also PARK AND GARDEN SCENERY.

PRICE FOR CASH ONLY 15 CENTS PER SQUARE INCH

THE AMERICAN FLORIST CO.

........324 Dearborn Street, CHICAGO, ILL.

OUR PASTIMES

Announcements of coming contests or other events of interest to our bowling, shooting and cycling readers are solicited and will be given place in this column.

Address all correspondence for this department to Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Robt. Kift, 1725 Chestnut St., Philadelphia, Pa.; or to the American Florist Co., 324 Dearborn St., Chicago, Ill.

At St. Louis.

The following is the record of the practice roll on Monday evening, July 23:

Player	1st	2d	3d	4th	Av
Kuehn	178	140	172	167	164
Agles	132	131	177	141	145
Beyer	138	169	106	131	136
Beneke	133	154	107	104	125
Weber	155	138	147		110
Sanders	100				100

M.

At Chicago.

In the five game match between Degnan and Asmus in which the latter was handicapped 100 pins, Asmus won out by seven points. The record of Friday evening, July 20, was as follows, Winterson covering himself with glory by rolling 222:

Player	1st	2d	3d	4th	Av
E. F. Winterson	222	186	158		189
P. J. Hanswirth	196	199	148		181
John Degnan	187	159	182		176
Geo. Asmus	168	197	170	175	175
Chas. Balluff	144	187	199	156	171
Walter Kreitling	143	189	154		162
J. S. Wilson	126	145	138		136

At Detroit.

The following is the record of the practice July 23:

Player	1st	2d	3d	4th	5th	Av
Beard	176	177	171	150	120	159
Davis			121	173	167	154
Watson				148	161	154
Ferguson	182	139	154	146	136	151
Pantke	161	182	129	127	152	150
Breitmeyer	181	142	129			150
Holznagle	125	171	140	151	155	148
Pickworth	123		137	119	110	147
Sullivan			125	139	170	145
Knope			118	142	141	135
Flowerday			139	123		131
Brown					117	117

J. F. S.

At New York.

On the afternoon of Monday, July 23, at the bowling meeting previous to the special club meeting, there was plenty of fun and no end of noise. Side bets were numerous and the irregulars caught the big fellows napping nicely in one game. Scores made were as follows:

Player	1st	2d	3d
Traendly	144	138	138
Schenck	160	137	130
Small	157	130	139
Roehrs	141	141	166
Troy	121	130	80
Manda	97	156	168
Burns	156	144	117
Butterfield	114	153	
Herrington		95	102
Lang		167	166

Omaha Florists' Picnic.

On July 20 the Nebraska and Iowa Florists' Club picnicked at Krug Park, Omaha. There was a large attendance and the contests were exciting because of the many handsome prizes offered. In the bowling contest J. F. Wilcox carried off the trophies for the highest score and for making the greatest number of strikes. R. Davey made the second highest score and the most spares. For the match the team was divided into two divisions, five on each side; the winners were Wilcox, Davey, Swoboda, Paulson and Stewart.

Recent visitors were Mr. Currie, of Milwaukee; R. Engelmann, of Indianapolis; F. Emory, of Valley, Neb. GRIPPE.

At Philadelphia.

The second series of three games to select the convention team was bowled last Wednesday evening. Nothing very remarkable in the way of scoring was recorded, as will be seen by the following figures:

Player	1st	2d	3d	T'l
Anderson	160	151	145	456
Baker	149	117	135	401
Gibson	132	132	143	407
Harris	125	132	98	355
Kift	120	99	112	331
Moss	148	155	125	428
Watson	121	135	106	362
Walker	115	163	155	433
Connor	153	146		299

At the shoot of the Gun Club at Wissinoming for the Westcott trophy, W. K. Harris, the oldest man in the club, was awarded the prize, having won it three times. K

supply of cut flowers found himself loser for the first three days, for it was not until the tension was over that the delegates gave a thought to manifesting their appreciation of many hospitalities and other favors, but then a great many boxes of flowers were sent out.

More chrysanthemums are being benched this year than heretofore, which does not bear out the statement that the queen of autumn is waning in favor.

Mrs. Lamb, daughter of Geo. M. Kellogg and manager of his wholesale establishment here, is on a trip to the Pacific coast.

Samuel Murray and A. Newell have returned from a pleasant outing at Excelsior Springs, Mo.

Among recent guests was James King, whose range of glass at Butte, Mont., is heated by a friendly geyser. ANNEX.

THE HITCHINGS BOWLING TROPHY.

The Hitchings Trophy.

We present on this page, a reproduction of the silver cup valued at $100 presented by Hitchings & Company to the New York committee on sports. It is of unique design and its disposal rests with the bowling committee. As a large number of prizes are offered, some five or six fine cups and a number of lesser trophies, the local committee and the national organization will take the matter in hand and arrange a schedule of the prizes and the achievements for which they are to be awarded.

Kansas City.

DEMOCRATS HELP THE CONVENTION CITY RETAILERS.— DECORATIVE PLANTS IN DEMAND, THEN CUT FLOWERS.—VARIOUS NOTES.

We have been asked a number of times as to whether the recent democratic national convention was of any benefit to Kansas City florists and we have the pleasure of answering that it was. Every available palm was called into service for the decoration of clubs, hotels and headquarters. The man who laid in a liberal

St. Louis.

ASTERS QUEEN OF THE MARKET.—LITTLE BUSINESS DOING.—A PICNIC AND OTHER NOTES.

Asters are the predominating flower just now and they certainly deserve to be, as some very fine ones are at present in the market. They sell higher than do carnations. Roses in general are poor in quality, but some very good Meteors and Kaiserins were seen Monday at the wholesalers'. Carnations are cutting no figure, while gladioli and tuberoses are in good supply.

Quite a large crowd went on the excursion to Montesano Springs July 25, and all report having had a jolly time. The boat left at 9:30 a. m. and returned in the afternoon.

The unknown party who opened a store at 1402 Cass avenue recently has closed up as quietly as he came. M.

LINCOLN, NEB.—Frey & Frey are adding 60,000 feet of glass to their place, five houses for roses and three for general stock. They have had a splendid season and expect prosperity to continue.

LAST CALL

Don't miss the opportunity to display your horticultural goods, plants, seeds, supplies and knick knacks at the

Greatest Convention and Exhibition of the S. A. F.

To be held in New York August 21 to 24.

FOR SPACE AND TERMS, ...APPLY AT ONCE TO THE MANAGER,

John P. Cleary,

60 Vesey St., N. Y. CITY

KENNICOTT BROS. CO.,

Wholesale Commission Florists.

WRITE FOR SPECIAL QUOTATIONS ON WIRE WORK DURING SUMMER MONTHS.

42 and 44 E. Randolph St., CHICAGO.

LAKEVIEW ROSE GARDENS,

Wholesale Growers,

LONG DISTANCE PHONE. JAMESTOWN, N. Y.

HEADQUARTERS FOR **Cut Flowers.**

Chrysanthemums.

Now is the time to plant them. We offer extra fine, vigorous plants from 2 and 2½-in. pots. Everybody likes them. They are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list:

EARLY.	Per 100	MIDSEASON.	Per 100
Ivory	$3.00	Major Bonnaffon	$3.00
M. Henderson	3.00	Wm. Simpson	3.00
Geo. S. Kalb	3.00	V. Morel	3.00
Merry Monarch	3.00	G. W. Childs	4.00
Willowbrook	4.00	H. W. Longfellow	3.00
M. de Montmort	3.00	Mrs. Murdock	3.00
Mrs. J. Whilldin	3.00	Mrs. T. L. Park	6.00
John K. Shaw	5.00	Black Hawk	4.00
Golden Trophy	3 00	Mrs. C. H. Pierce	3.00
Glory of the Pacific	3.00	Mrs. H. Robinson	3.00
		Niveus	3.00
LATE.	**Per 100**	**LATE.**	**Per 100**
Mrs. J. Jones	$4.00	Nagoya	6.00
Liberty	4.00	Xeno	6.00
Merry Xmas	4.00	Adula	3.00
Autumn Glory	3.00	Harry Balsley	3.00
E. Dailledouze	4.00	Mrs. Baer	8.00
Golden Wedding	4.00		

In addition to the above we have a large list of new and other leading standard sorts. Send for complete list.

H. WEBER & SONS, Oakland, Md.

1500 N. Cordata Compacta,

In 2-in. Pots, Strong Plants, at $3.00 per Hundred.

Also Strong Plants from Bench, at $2.00 per Hundred.

CHAS. SCHWEIGERT, Niles Center, Ill

Cinerarias.

Superb strain, large plants in flats, ready for 2-in. pots, $1.50 per 100. **Cyclamen**, 3-in., ready for 4-in., $4.00 per 100. **Coleus**, newest fancy colors, large plants from flats, $1 00 per 100. **Heliotrope**, field grown, the best dark blue, large plants full of cuttings, $1.25 per dozen, $10.00 per 100.

Sam'l Whitton, 15-17 Cray Av., Utica, N. Y.

ASPARAGUS PLUMOSUS NANUS

Ready Now for Shipment

Extra fine stock from 2½-in. pots, **Per 100, $5.00; Per 1000, $40.00.**

Also a grand stock of **CHINESE PRIMULA PLANTS,** from selected large flowering strains, READY NOW.

	Per 100	Per 1000
Seperate colors, semi-double flowers, 2½-in. pots	$5.00	$40.00
Seperate colors, single flowers, 2½ " "	4.00	35.00
All colors mixed, 2½ " "	3.50	30.00

Terms Cash with order or satisfactory reference. Address

S. ALFRED BAUR, Successor to Henry A. Niemeyer, **ERIE, PA.**

Please mention the American Florist when writing.

XXX SEEDS.

CHINESE PRIMROSE.

Finest large flowering fringed, single and double, fifteen varieties, mixed, 500 seeds, $1.00; ½ pkt., 50c. Chinese Primrose plants ready in August; of the very finest varieties; singles, $2.00 per 100; doubles, $3.50 per 100.

PRIMULA OBCONICA GRAND. HYBRIDA.

The very finest of the improved Hybrid Obconicas, large flowering and choice colors, truly grand, 1000 seeds, 50c.

CINERARIA GRAND. NANA.

The finest large-flowering dwarf varieties, very showy, in choicest mixture; 1000 seeds, 50c.

PANSY, FINEST GIANTS.

The finest large-flowering varieties to be had, best colors and strong growing, mixed; 3500 seeds, $1.00. A packet of the beautiful new dwarf Forget-me-not "Blue Beauty" added to every order.

THE HOME OF PRIMROSES. **JOHN F. RUPP, Shiremanstown, Pa.**

Imperial Violets,

Longest stems, largest flowers, darkest in color A1 stock, fine large plants, $5.00 per 100, $45.00 per 1000.

M. LOUISE, LADY CAMPBELL,

$2.50 per 100, or $20.00 per 1000.

CASH WITH ORDER, PLEASE.

VAN AKEN BROS., Coldwater, Mich.

Please mention the American Florist when writing.

NOVELTIES IN PLANTS

That Can't Be Had Elsewhere.

Such as New Kalanchoe Flammea, New Incarvilleas, New Campanula Mirabilis, New Buddleias, New Dentzias, Mr. Peter Barr's New White Lupin. The Grand New Salvia Glory of Stuttgart. The Edelweiss in bloom, New Ruellias, New Hibiscus, New Begonias, New Cannas, 200 New Dahlias, New Treasure Vine, New Shamrock Pea Send for Catalogue of Novelties.

Always in quantity—Asparagus Sprengeri, Boston Fern, Baby Primrose, Edelweiss, Fern Balls, at lowest prices.

A. BLANC & CO., Philadelphia, Pa.

Buffalo.

FLORISTS' CLUB VOTES TO INVITE NEXT YEAR'S CONVENTION.—WILL WORK HARD AT NEW YORK.—NOTES.

A meeting of the Buffalo Florists' Club Friday evening, July 20, brought out a large attendance as business of importance was to be transacted. After the routine work was despatched the matter of the S. A. F. convention was brought up. It was the unanimous sentiment that, as next year is to be Pan-American year and all florists will want to see the exhibition, the B. F. C. extend an invitation to the national society to meet in Buffalo in 1901. A committee was appointed with that end in view. As Buffalo now has a fine convention hall, in a good location, with every convenience, we can handle almost any convention and the more that come the merrier. All other cities aspiring to the honor of entertaining the convention, beware, as our delegation will be a warm one. President Kasting also appointed a committee consisting of Wm. Scott, W. A. Adams and E. Brooker to arrange for our annual outing. In all probability the beautiful Bedell House will be chosen.

Trade has been very quiet. Roses are, with a few exceptions, still very poor. Asters are in and of very good quality, while excellent sweet peas are abundant.

Recent visitors: Henry Wise, East Aurora, N. Y.; S. B. Smiley, Lancaster, N. Y. W. A.

Lexington, Ky.

Honaker has just finished a palm and fern house 25x100 and has in course of construction an American Beauty house 32x150 feet which will be the first strictly modern house ever built in Lexington, all iron and cypress, heated by steam. This firm, for it consists of Mrs. D. Honaker, D. B. Honaker and O. S. Honaker, has just finished improvements on its down town store, making it the finest south of the Ohio river. The walls are mirrored, with marble brackets, marble counters and the ceiling is hand painted. They propose making a specialty of American Beauties and fancy carnations.

LIBERTY, Mo.—Paul Stark has purchased the J. H. Weeks establishment and will add the houses to his own range, giving him much needed room.

AKRON, O.—In the recent hail storm the greenhouses of Wm. A. Helfer were damaged to the extent of 700 lights of glass and at S. W. Pike's 200 lights were broken.

BUY NOW

PROPAGATING STOCK for Next Year.

	In. pots	Doz.	100
New Hibiscus, Peachblow, double pink flowers	2½	$1.00	$8.00
New Ageratum, Stella Gurney, dwarf blue	2½	.75	5.00
New Salvia, St. Louis, extra large flower spikes	2½	.75	5.00
New Silver-Leaved Geranium, Wm. Langguth, dbl. red flower,	2½	1.50	10.00
Acalypha Sanderi (chenille plant)	3	1.00	6.00
New Rose, Evergreen Gem, strong,	2	1.00	8.00
New Rambler Rose, Helene	2½	1.00	8.00

BOSTON FERNS. We have the largest and finest stock in the West. All well-grown, bushy plants in all sizes. Write for prices.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Please mention the American Florist when writing

Now Ready for Delivery.

PLANT CULTURE

HITHERTO ADVERTISED AS "COMMERCIAL PLANTS."

By George W. Oliver, Propagator to the U. S. Botanic Garden, Washington, D. C., and late of the Royal Botanic Garden, Edinburgh.

A Working Hand Book of Every-day Practice for the Florist, Gardener and Nurseryman and all those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experiences of the writer. The plants dealt with not only comprise all those which are commonly handled by the trade, but include numerous deserving varieties not so fully known. Chapters are given on

Stove and Greenhouse Plants, Bedding Plants, Vase and Basket Plants, Vines, Hardy and Tender, Bulbous Plants, Ornamental Grasses, Water Plants—Aquatics, Ferns and Lycopods, Hardy Perennial Plants, Hardy Shrubs;

Also a lengthy chapter of General Directions, including Propagation—Seeds, Grafting, Budding, Layering, Hybridization, Potting Plants, Soil, Mulching, and Watering. Concluded by a very complete index to all subjects mentioned. This reliable cultural book has been gotten up for use, not ornament, therefore the price has been fixed at a figure within the reach of all, while it contains more real practical information for those for whom it is intended than is to be found in much more pretentious works costing ten and twenty times as much money. Strongly bound in buckram to stand rough handling and plenty of it.

12 mo., 193 Pages, Price $1.00, by mail, postpaid.

THE FLORISTS' EXCHANGE, P. O. BOX 1697, NEW YORK.

Choice Pot Plants, 1c Each

We wish to give our customers the benefit of very low prices for a short time.

Geraniums, the choicest, most desirable varieties to be had, true to name, Bruanti (best semi-double scarlet), S. A. Nutt, Athlete, White Swan, La Favorite, Mrs. J. M. Garr (best single white), Beaute Poitevine, American Wonder, Mrs. E. G. Hill, Mme. Bruant and others, $2.00 per 100, strong 2½-in.; Rose Geraniums and Mme. Salleroi, 1c each, strong 2-in.

Petunias, double fringed, in full bloom, Henderson's and Dreer's latest superb sets, strong 2-in. 1c each; really worth $1.00 per doz.

Fuchsias, choicest sorts, strong 2-in., $1.50 per 100; fine 4-in., full bloom, at 6c; 2½ and 3-in. at 2c.

Coleus, elegant named varieties, all beauties, 1c each, strong 2 and 2½-in.

Ageratum, Princess Pauline (latest blue), strong 2-in., 1c.

Salvias, 1c.

Asters, Giant Comet (true) in pure white and lavender, pink and white, strong 2-in., 1c. Plant in bench, they'll pay.

Roses, fancy extra select Brides, Perles and Maids, 3-in., 4c; the same in 2½-in. pots, including Meteor, 3c; Kaiserin, Wootton, Golden Gate, Belle Siebrecht, strong 2½-in., 4c.

Smilax, extra strong, 2-in., as fine as you could wish, $1.50 per 100, $12.50 per 1000.

CASH WITH ORDER.

SOUTH SIDE FLORAL CO., Springfield, Ill.

ACALYPHA SANDERI

2½-inch pots, $8.00 per 100.

Crimson Rambler. We will have an extra fine lot of field plants for winter forcing.

The CONARD & JONES COMPANY,
West Grove, Pa,

Please mention the American Florist when writing.

CARNATIONS!

F. Dorner & Sons Co.,

LA FAYETTE, IND.

Please mention the American Florist when writing.

WM. MURPHY

Wholesale Carnation Grower

Station F, CINCINNATI, OHIO.

It is good business policy to mention the

....American Florist

when you write to an advertiser

ASSORTED FERNS,

In flats, ready for potting, $2.00 per flat.

BOSTON FERNS,

Ready for 3-in. pots, $6.00 per 100; 4-in., $15.00 per 100; 5-6-in., $20.00-$25.00 per 100. Also fine plants in 5 6-in. pots, now ready for a shift, in pans or large pots, $35.00 per 100, $4.50 per doz. This is exceptionally good value.

Asparagus Plumosus Nanus, 3-in., extra fine, $8.00 per 100.
Asparagus Sprengerii, 2-in., $6.00 per 100.
Kentia Belmoreana, 2½-in. pots, $10.00 per 100, 4-inch, $40.00 per 100. Large plants, $1.50, $1.75, $2.00, $2.50, $3.00, up to $5.00.

Send for Particulars.

BOBBINK & ATKINS
RUTHERFORD, N. J.

Please mention the American Florist when writing.

NEW DAHLIAS

Largest and most complete collection of new and superior varieties true to name. Write for special prices on list of wants. Also **High Grade Mixed Dahlias** and **Dahlias under Separate Colors.**

W. P. PEACOCK, Atco, N. J.

Please mention the American Florist when writing.

Field Grown CARNATIONS

Orders booked now for fall delivery.

GEO. HANCOCK & SON, Grand Haven, Mich.

Circulation which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns establish permanent business with the best trade in the United States.

Roses for Florists

OUR Rose Plants are all grown for the trade. We do not grow cut flowers. Such plants, we claim, are well worth more money than ordinary *surplus* stock.

Our Roses are all shifted from 2-inch pots and equal to most stock usually sold as 3-inch.

	2½-in., per 100	3½-in., per 100
American Beauty	$6.00	$12.00
Brides	3.00	8.00
Bridesmaids	3.00	8.00
Perles	3.50	9.00
Kaiserin	4.00	10.00
Meteor	3.00	7.00
Wootton	5.00	
Golden Gate, 2-in.	3.00	
Sunset	4.00	10.00

Bedding Roses, in 2-in. pots, strong stock, in variety, $2.50 per 100, $20 per 1000.

Vaughan's Seed Store,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

ROSE PLANTS.

SPECIAL PRICES TO CLOSE OUT.

We have the following Rose Plants, which are first-class in every particular, that we wish to close out, and we quote the following low prices to get rid of them quickly:

2000	AMERICAN BEAUTY	2½-inch,	$4.00	per 100
1000	BRIDE	2½ "	2.00	"
1000	BRIDE	3 "	4.00	"
500	BRIDE	4 "	5.00	"
2000	BRIDESMAID	2½ "	2.00	"
2000	BRIDESMAID	3 "	4.00	"
1000	BRIDESMAID	4 "	5.00	"
	....Also....			
8000	SMILAX	2 "	2.00	"

ALL ORDERS SHIPPED FROM GREENHOUSES.

BASSETT & WASHBURN,

Greenhouses, Hinsdale, Ill. 76 and 78 Wabash Ave., CHICAGO, ILL.

ROSE PLANTS

METEOR, BRIDESMAID, BRIDE, LA FRANCE, PERLES — From 2½ and 3-in. pots, Per 100, $3.00; 1000, $25.00.

AMERICAN BEAUTY, 3-inch pots, per 100, $5.00; per 1000, $45.00.

AMERICAN BEAUTY and LA FRANCE, bushes headed in open ground, per 100, $2.50; per 1000, $20.00.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Special Rose Plants

GROWN FOR OUR OWN USE.

1500 Brides
600 Bridesmaid
300 Meteor
100 Beauty

Also Surplus Plants

Choice Chrysanthemums.

Write for prices.

J. M. GASSER, Wholesale Grower of Cut Flowers,
Euclid Ave., CLEVELAND, O.

ROSES

Strong and Healthy, From 3½-in. pots, $5 PER 100.

Perles, Brides and Maids.

H. E. WILSON, 134 Hayward Pk., ...Rochester, N. Y.

THE KINNEY PUMP.

For applying liquid manure it has no equal. Sent prepaid for $2.50. Without spraying valve, $2.00.

The Hose Connection Co., Kingston, R. I.

CHINESE PRIMROSES.

50,000 finest large flowering fringed.....1000, $18.00; Per 100, $2.00
Obconica grand., fimbriata, rosea and Forbesi ..... " 2.00
Asparagus { Sprengerii.....$3.00 per 100 / Plumosus..... 4.00 " } Pansy Seed, large flowering, ounce, $4.00
Cinerarias, August 20.....$2.00 per 100.

CASH PLEASE. **JOS. H. CUNNINGHAM, Delaware, O.**

40,000 FIRST QUALITY FORCING ROSES.

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

AMERICAN BEAUTY, METEOR, KAISERIN, SAFRANO, BRIDESMAID, BON SILENE, PERLES, MAID OF HONOR, BRIDE.

3-inch pots, $7.00 per 100. 4-inch pots, $10.00 per 100.

GRAFTED ROSES. Maid of Honor, Golden Gate, 3½-inch pots, $15.00 per 100. Liberty, 4-inch pots, $8.00 per dozen, fifty plants for $24.00.

J. L. DILLON, - BLOOMSBURG, PA.

AMERICAN BEAUTY, four-inch, selected, $15.00 per 100. LIBERTY, four-inch, $75.00 per 100 MAID, BRIDE, PERLE, 3½-inch, $8.00; 4-inch, $10.00. Also SUNSET, METEOR, MORGAN, MERMET, LaFRANCE, NIPHETOS, KAISERIN, GOLDEN GATE, MAID OF HONOR, GRAFTED BRIDE, $20.00 per 100, large 4-in. ASPARAGUS PLUMOSUS, all sizes. MARIE LOUISE VIOLETS, SMILAX.

A. S. MacBEAN, LAKEWOOD, N. J.

A 1 Grafted BRIDES and BRIDESMAIDS

4-inch $15 per 100; 2½-inch $9 per 100.

METEORS, 4-inch, $8; 3-inch, $6; 2½-inch, $4.

PERLES, SUNSETS, 4-inch, $8; 3-inch, $6.

CHRIS. HANSEN, St. Paul, Minn.

Cut Flowers Shipped Always on Time.

Please mention the American Florist when writing.

Surplus Stock Roses.

175 PERLES
250 BRIDES
300 MAIDS
100 METEORS

First-Class, Strong 3-inch, $4 per 100.

LEROY L. LAMBORN, Alliance, O.

Orchids!

Arrived fresh from the woods in fine condition: Lælia anceps, L. autumnalis, L. Crispa, L. flava, L. grandis tenebrosa, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivalliana and C. Mossiæ.

LAGER & HURRELL, SUMMIT, N. J.
Orchid Growers and Importers.

...ROSES

Per 100

300 Brides, 2½-in., $2.50; 250 Maids, 2½-in., $2.50; 100 Belle Siebrecht, 2½-in., $2.50; 100 Kaiserin, 2½-in., $2.50; 50 Wootton, 2½-in., $2.50.

BEGONIA REX, in good assortment, 400 in 2½ and 3-in., $3.00 per 100; 100 3½-in., $6.00 per 100.

SMILAX, 200 2½-in., per 100, $2.00.

ISAAC MILES, OSHKOSH, WIS.

Please mention the American Florist when writing.

BRIDES and MAIDS

In 2½-inch Pots.

$2.50 per 100 - - $20 per 1000

JOHN MUNO,

Rogers Park, CHICAGO.

Please mention the American Florist when writing.

ROSES

1800 Brides, 300 Maids, } 3-in., $4 per 100

CASH WITH ORDER, PLEASE.

ALBERT F. AMLING, Maywood, Ill.

Please mention the American Florist when writing.

Columbus, O.

The Franklin Park Floral Company is making a substantial improvement in the way of a fine office building, facing Fair street, with a conservatory immediately adjoining it. What has been contemplated by Mr. Knapp, the manager of the concern, for the past few years, is now being carried out in a way to suit the requirements of their growing business. The elaborate ice chest, partitioned off from the office proper, the tiled floors and counters, the large show window and the general conveniences will make it an ideal floral establishment. Mr. Knapp expects to get through in ample time to go to the convention.

John R. Hellenthal, accompanied by his family, will go to the convention and may visit Philadelphia, Baltimore and Washington. As usual, things about Mr. Hellenthal's establishment present a fine and healthy appearance. His young roses look fine, and his carnations in the field are doing well.

Gust. Drobish reports a good trade, both wholesale and retail, with the outlook, in his opinion, decidedly encouraging. Mr. Drobish's, by the by, is one of the oldest floral establishments in Columbus. To hear him contrast the past with the present, to point out the progress we have made, is to enjoy a treat as well as to entertain the rosiest hopes for the future. Unlike many other florists of the old school, Mr. Drobish is both alert and progressive.

S. F. Stephens, I am sorry to report, has sustained a great loss in the death of his little daughter, aged 8 years. Mr. and Mrs. Stephens have the sincere sympathy of their many friends in the trade.

NOMIS.

BRIDGETON, N. J.—Roy Smith is engaged in enlarging his greenhouse at Church and Parker streets.

OXFORD, O.—Stephen Costigan has leased the Horace Wells greenhouse property and proposes to keep an up-to-date stock.

A Rose Bargain.

We offer the following price inducement to clear the balance of our stock at once:

5000 METEORS, Extra fine;

4000 BRIDES, Up to our usual grade.

All 2½-inch Stock, $20 per 1000, $135 for the lot. Speak quick if you want them all.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO.....

TO CLOSE OUT.

500 American Beauties 2½-in., $5 00 per 100, or $20.00 for the 500.
2000 Kaiserin, 2000 Golden Gate, 2000 Bridesmaid, 1000 Meteor, 500 Garrett, 500 Bride, 500 Perle, 500 Mermet, 3 and 3½-in., $3.00 per 100, or $25.00 per 1000.

These are Fine Plants. Cash With Order.

MRS. J. W. CROUCH, Chattanooga, Tenn.

10,000 American Beauty Plants,

FINE STOCK, FROM 3-IN. POTS,

$5.00 per 100 & $40.00 per 1000.

	Per 100	Per 1000
Kaiserin, 3-inch pots	$4 00	$35.00
Golden Gate, 2½-inch pots	4.00	35.00
Bridesmaid, Perle, Meteor, 3-inch pots	4 00	35.00

PETER REINBERG, 51 Wabash Ave., ...CHICAGO.

FORCING ROSES

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BRIDE	3-in.	4.00
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PERLES	3-in.	4.00
METEOR	2½-in.	3.00
MME. C. TESTOUT	2½-in.	$3.00
GOLDEN GATE	2½-in.	3.00
GOLDEN GATE	3-in.	4.00
MAID OF HONOR	2½-in.	3.00
MAID OF HONOR	3-in.	4.00
SOUV. DE WOOTTON	3-in.	4.00

Also a fine stock of **Maidenhair Ferns.** **Adiantum Cuneatum,** 3-in., 75c per doz., $5 per 100.

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Forest City Greenhouses. **H. W. BUCKBEE, ROCKFORD, ILL.**

ROSES

	2½-inch. Per 100	2½-inch. Per 1000	3-inch. Per 100	3-inch. Per 1000
Brides	$3.00	$25.00	$5.00	$45.00
Maids	3.00	25.00	....	.....
Cloth. Souperl.	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty	....	.....	8.00	75.00

	Per 100	Per 1000
Mixed Jardiniere Ferns, mostly pteris varieties	$3.00	$25.00
Asparagus Sprengerii, 2½-in.	4.00	35.00
" Plumosus, "	6.00	55.00
Adiantum Farleyense, fine stock, 6-in. pots, 50c each		
		Per 100
Smilax, 3-inch		$ 4 00
Dracæna Terminalis, 4-inch		15.00
Phœnix Canariensis, elegant stock, 4½ to 5-inch		20.00
Chamærops Excelsa, 5-inch		25.00
" " 4 "		20.00

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The Exotic Nurseries,

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Rose Plants

	Per 100	Per 1000
1000 Brides in 3-in. pots	$3.00	$25.00
1500 Bridesmaids in 3-in. pots	3.00	25.00

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Roses for Planting.

10,000 Maids, Brides and Perles, in perfect condition. No finer stock grown. Brides and Maids, 3-in., 100, $4; 1000, $35. Perles, select stock, 3-in., 100, $5; 1000, $45. Brides, Meteors and Maids, 2½-in., 100, $3; 1000, $25. Perles, 2½-in., 100, $4; 1000, $35. Smilax, strong 3-in., 100, $2.50. Samples sent if 25c accompanies request. This stock is worth 25 per cent more than we ask for it and will please.

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Here is what I have left in Roses. If you want them, all or part, write:

1000 METEORS, 2½ and 3-inch,
2000 MAIDS, 2½ and 2-inch,
1000 PERLES, 2½-inch,
800 LA FRANCE, 2½-inch,
300 KAISERINS, 2-inch,
200 BELLE SIEBRECHT, 2½-inch.
400 BEAUTIES, 2½ and 3-inch.

Make your wants known. Don't forget **BOSTON FERNS,** 5-inch.

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METEOR, 3½-inch pots	$4.00	$37.50

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Perle, Wootton, Bride, Maid and Golden Gate from 2-inch pots, $2 50 per 100.

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Three houses, each 20x150, are given to American Beauties alone, while Brides, Bridesmaids, Perles and Meteors take up four other houses each 20x100. As a rose grower, therefore, Mr. Crouch ranks among the foremost in his state. Nor are his roses of the kind to be seen on the average fakir's stand, a handful for a song. His are of a superior quality all through the season and sell at the highest market price, both wholesale and retail. His carnations, of which he has several good sized houses, were likewise in the pink of condition all through the season. Among whites John Young takes the lead here, being especially at home in the Tennessee soil, although Flora Hill is a close second. What The Marquis, Ethel Crocker and other varieties of recent introduction may or may not do remains to be seen. Thus far they are by no means disappointing.

Besides roses and carnations, Mr. Crouch grows large quantities of bulbs, bedding and decorative plants, hardy roses, shrubs, etc. In addition to his office at the greenhouses, Mr. Crouch has equipped a fine store on Clinch avenue. Mr. Crouch intends to shake hands with his brother florists at New York, in August. NOMIS.

PARIS, ILL.—John A. Helfrich, who some three months ago succeeded to the business which H. D. Caldwell & Co. had conducted so successfully for eight years, finds his 4,000 feet of glass inadequate to his needs and is already planning to increase it.

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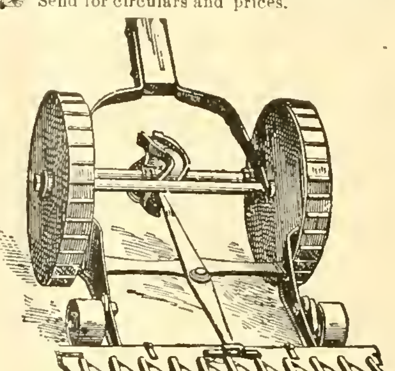

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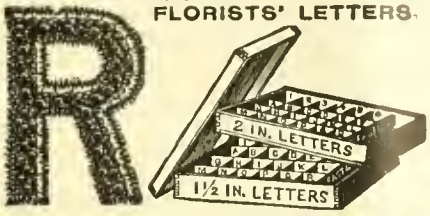

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Vapor Insecticide
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No labor required. Harmless to bloom and foliage. A certain killer of
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For Greenhouse Cultivating.
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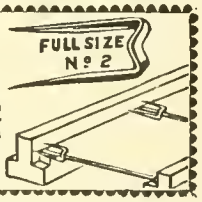

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PLANS FOR A GREAT FALL SHOW.—LIBERAL PREMIUMS AND PROMISES OF MANY EXHIBITS.

The Colfax Avenue Floral Company's rooms were the scene of the largely attended and enthusiastic July meeting of the newly organized florists' society. Arrangements were being made for the chrysanthemum show to be held November 8 to 14, under the auspices of the Denver Floral Club. The exhibit will be held at the pavillion at City Park. The park commissioners have promised to provide a suitable building. The premium list amounts to $2,000. Responses have been received from Chicago, Council Bluffs, Kansas City and New Orleans, and it is hoped to make the affair such a success that it shall, in a great degree, supply the place of the Festival of Mountain and Plain.

Excursions will be arranged for from the various towns in the state. The following ladies are honorary members of the Denver Floral Club: Mrs. W. S. Decker; Mrs. Henry Van Kleeck, Mrs. H. V. Johnson, Mrs. J. D. Walling, Mrs. W N. Byers, Mrs. C. S. Thomas.

The next meeting will be held August 3, 1900, at the chamber of commerce, at which time some interesting papers will be read.

Mansfield, O.

The Berno Floral Co. has had a busy time of it up to the present writing. No sooner were they through with their spring sales than a crop of fair June brides kept them hustling with decorations. That over, they commenced to rebuild and to spruce up things generally. Among the noteworthy features introduced about their establishment are brick benches, with which they have equipped three of their houses. They have likewise put in a new boiler, increasing the heating capacity. With a lot of thrifty carnations in the field and with the young roses all planted and doing splendidly, the Berno Floral Company has no complaints to make. Mr. Berno will likely be one of the crowd of westerners in New York, in August.

NOMIS.

BAY CITY, MICH.—Boehringer Bros. are making a number of additions and improvements about their establishment. In their new houses and in rebuilding they are using brick walls.

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Hot Bed Sash. Red Cedar Posts.

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Straight or Looped and Pointed.

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1500 2½ " "	6.00	48	9 " "		3.60
1000 3 " "	5.00	48	10 " "		4.80
800 3½ " "	5.80	24	11 " "		3.60
500 4 " "	4.50	24	12 " "		4.80
320 5 " "	4.51	12	14 " "		4.80
144 6 " "	3.16	6	16 " "		4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. 10 per cent off for cash with order.

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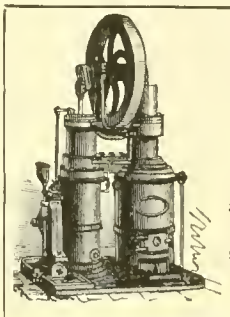

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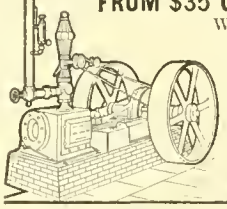

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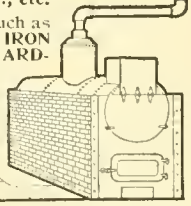

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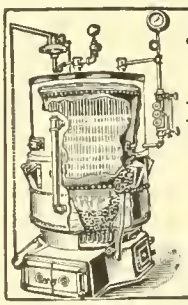

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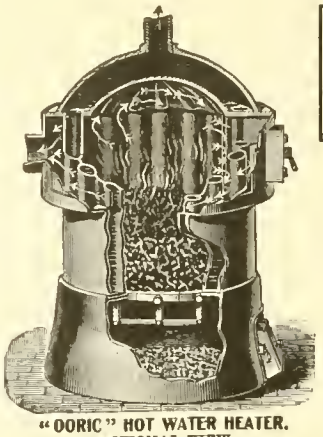

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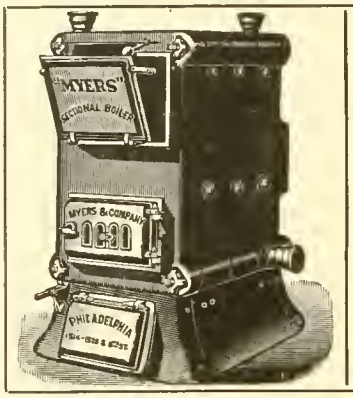

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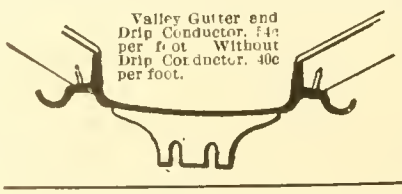

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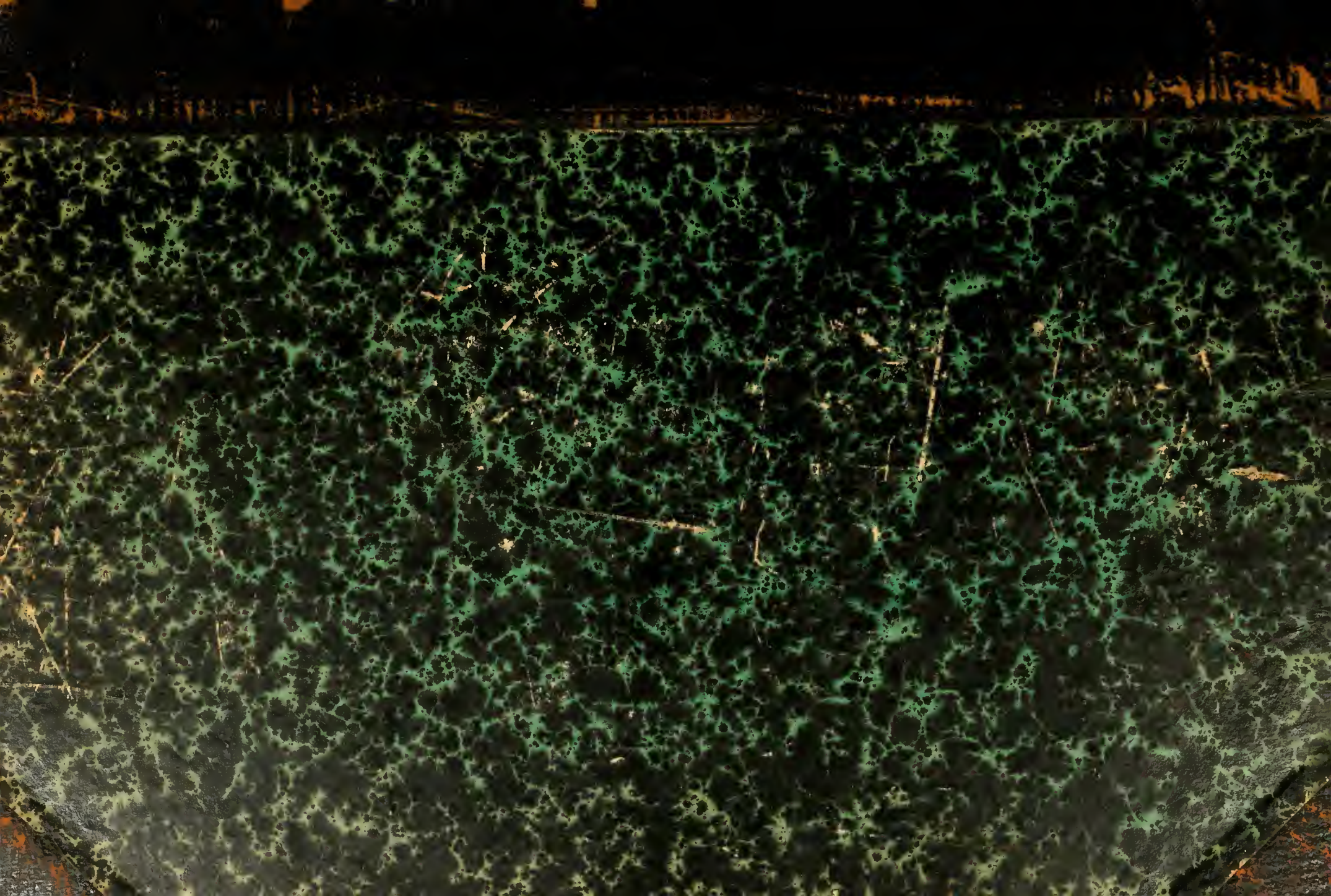
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